

Nick Holford Mbchb, Fracp

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162
papers

10,846
citations

57
h-index

102
g-index

171
ext. papers

11,896
ext. citations

4.1
avg, IF

6.51
L-index

#	Paper	IF	Citations
162	Understanding the dose-effect relationship: clinical application of pharmacokinetic-pharmacodynamic models. <i>Clinical Pharmacokinetics</i> , 1981 , 6, 429-53	6.2	837
161	Mechanism-based concepts of size and maturity in pharmacokinetics. <i>Annual Review of Pharmacology and Toxicology</i> , 2008 , 48, 303-32	17.9	774
160	A size standard for pharmacokinetics. <i>Clinical Pharmacokinetics</i> , 1996 , 30, 329-32	6.2	389
159	Kinetics of pharmacologic response 1982 , 16, 143-66		363
158	Human renal function maturation: a quantitative description using weight and postmenstrual age. <i>Pediatric Nephrology</i> , 2009 , 24, 67-76	3.2	349
157	Mechanistic basis of using body size and maturation to predict clearance in humans. <i>Drug Metabolism and Pharmacokinetics</i> , 2009 , 24, 25-36	2.2	344
156	A procedure for generating bootstrap samples for the validation of nonlinear mixed-effects population models. <i>Computer Methods and Programs in Biomedicine</i> , 1999 , 59, 19-29	6.9	285
155	The response to levodopa in Parkinson's disease: imposing pharmacological law and order. <i>Annals of Neurology</i> , 1996 , 39, 561-73	9.4	253
154	Developmental pharmacokinetics of morphine and its metabolites in neonates, infants and young children. <i>British Journal of Anaesthesia</i> , 2004 , 92, 208-17	5.4	232
153	Phase 1 clinical results with tandutinib (MLN518), a novel FLT3 antagonist, in patients with acute myelogenous leukemia or high-risk myelodysplastic syndrome: safety, pharmacokinetics, and pharmacodynamics. <i>Blood</i> , 2006 , 108, 3674-81	2.2	224
152	A pharmacokinetic standard for babies and adults. <i>Journal of Pharmaceutical Sciences</i> , 2013 , 102, 2941-53	3.9	216
151	Clinical pharmacokinetics and pharmacodynamics of warfarin. Understanding the dose-effect relationship. <i>Clinical Pharmacokinetics</i> , 1986 , 11, 483-504	6.2	193
150	Simulation of clinical trials. <i>Annual Review of Pharmacology and Toxicology</i> , 2000 , 40, 209-34	17.9	191
149	Acetaminophen developmental pharmacokinetics in premature neonates and infants: a pooled population analysis. <i>Anesthesiology</i> , 2002 , 96, 1336-45	4.3	188
148	Clinical pharmacokinetics of ethanol. <i>Clinical Pharmacokinetics</i> , 1987 , 13, 273-92	6.2	174
147	Size, myths and the clinical pharmacokinetics of analgesia in paediatric patients. <i>Clinical Pharmacokinetics</i> , 1997 , 33, 313-27	6.2	157
146	Perioperative pharmacodynamics of acetaminophen analgesia in children. <i>Anesthesiology</i> , 1999 , 90, 411-23	4.3	144

145	Drug treatment effects on disease progression. <i>Annual Review of Pharmacology and Toxicology</i> , 2001 , 41, 625-59	17.9	138
144	Population clinical pharmacology of children: modelling covariate effects. <i>European Journal of Pediatrics</i> , 2006 , 165, 819-29	4.1	136
143	Morphine pharmacokinetics and pharmacodynamics in preterm and term neonates: secondary results from the NEOPAIN trial. <i>British Journal of Anaesthesia</i> , 2008 , 101, 680-9	5.4	135
142	Influence of obesity on propofol pharmacokinetics: derivation of a pharmacokinetic model. <i>British Journal of Anaesthesia</i> , 2010 , 105, 448-56	5.4	127
141	Clinical trial simulation: a review. <i>Clinical Pharmacology and Therapeutics</i> , 2010 , 88, 166-82	6.1	124
140	Vancomycin pharmacokinetics in preterm neonates and the prediction of adult clearance. <i>British Journal of Clinical Pharmacology</i> , 2007 , 63, 75-84	3.8	123
139	A model for size and age changes in the pharmacokinetics of paracetamol in neonates, infants and children. <i>British Journal of Clinical Pharmacology</i> , 2000 , 50, 125-34	3.8	123
138	Understanding dosing: children are small adults, neonates are immature children. <i>Archives of Disease in Childhood</i> , 2013 , 98, 737-44	2.2	118
137	Tips and traps analyzing pediatric PK data. <i>Paediatric Anaesthesia</i> , 2011 , 21, 222-37	1.8	116
136	Acetaminophen analgesia in children: placebo effect and pain resolution after tonsillectomy. <i>European Journal of Clinical Pharmacology</i> , 2001 , 57, 559-69	2.8	108
135	Stereoselective disposition and glucuronidation of propranolol in humans. <i>Journal of Pharmaceutical Sciences</i> , 1982 , 71, 699-704	3.9	104
134	Progression of motor and nonmotor features of Parkinson's disease and their response to treatment. <i>British Journal of Clinical Pharmacology</i> , 2012 , 74, 267-83	3.8	102
133	Negligible excretion of unchanged ketoprofen, naproxen, and probenecid in urine. <i>Journal of Pharmaceutical Sciences</i> , 1980 , 69, 1254-7	3.9	102
132	The SLCO1B1 rs4149032 polymorphism is highly prevalent in South Africans and is associated with reduced rifampin concentrations: dosing implications. <i>Antimicrobial Agents and Chemotherapy</i> , 2011 , 55, 4122-7	5.9	101
131	Busulfan in infant to adult hematopoietic cell transplant recipients: a population pharmacokinetic model for initial and Bayesian dose personalization. <i>Clinical Cancer Research</i> , 2014 , 20, 754-63	12.9	94
130	Pharmacokinetics of rectal paracetamol after major surgery in children. <i>Paediatric Anaesthesia</i> , 1995 , 5, 237-42	1.8	83
129	Quantitative justification for target concentration intervention--parameter variability and predictive performance using population pharmacokinetic models for aminoglycosides. <i>British Journal of Clinical Pharmacology</i> , 2004 , 58, 8-19	3.8	82
128	Volume shifts and protein binding estimates using equilibrium dialysis: application to prednisolone binding in humans. <i>Journal of Pharmaceutical Sciences</i> , 1983 , 72, 1442-6	3.9	82

127	Results and validation of a population pharmacodynamic model for cognitive effects in Alzheimer patients treated with tacrine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992 , 89, 11471-5	11.5	80
126	Methodologic aspects of a population pharmacodynamic model for cognitive effects in Alzheimer patients treated with tacrine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992 , 89, 11466-70	11.5	79
125	Disease progression and pharmacodynamics in Parkinson disease - evidence for functional protection with levodopa and other treatments. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2006 , 33, 281-311	2.7	78
124	Mechanisms of enhancement of the antitumour activity of melphalan by the tumour-blood-flow inhibitor 5,6-dimethylxanthenone-4-acetic acid. <i>Cancer Chemotherapy and Pharmacology</i> , 1997 , 39, 541-6 ^{3.5}		77
123	External Evaluation of Population Pharmacokinetic Models of Vancomycin in Neonates: The transferability of published models to different clinical settings. <i>British Journal of Clinical Pharmacology</i> , 2013 , 75, 1068-80	3.8	76
122	Rectal paracetamol dosing regimens: determination by computer simulation. <i>Paediatric Anaesthesia</i> , 1997 , 7, 451-5	1.8	76
121	Population clinical pharmacology of children: general principles. <i>European Journal of Pediatrics</i> , 2006 , 165, 741-6	4.1	76
120	Importance of hematocrit for a tacrolimus target concentration strategy. <i>European Journal of Clinical Pharmacology</i> , 2014 , 70, 65-77	2.8	72
119	Allometric size: The scientific theory and extension to normal fat mass. <i>European Journal of Pharmaceutical Sciences</i> , 2017 , 109S, S59-S64	5.1	69
118	Paracetamol plasma and cerebrospinal fluid pharmacokinetics in children. <i>British Journal of Clinical Pharmacology</i> , 1998 , 46, 237-43	3.8	68
117	Population pharmacokinetic and adverse event analysis of topotecan in patients with solid tumors. <i>Clinical Pharmacology and Therapeutics</i> , 2002 , 71, 334-48	6.1	68
116	Predicting concentrations in children presenting with acetaminophen overdose. <i>Journal of Pediatrics</i> , 1999 , 135, 290-5	3.6	67
115	Paracetamol and metabolite pharmacokinetics in infants. <i>European Journal of Clinical Pharmacology</i> , 2003 , 59, 243-51	2.8	66
114	A pharmacodynamic model for the time course of tumor shrinkage by gemcitabine + carboplatin in non-small cell lung cancer patients. <i>Clinical Cancer Research</i> , 2008 , 14, 4213-8	12.9	63
113	Target concentration intervention: beyond Y2K. <i>British Journal of Clinical Pharmacology</i> , 1999 , 48, 9-13	3.8	62
112	Safe and effective variability-a criterion for dose individualization. <i>Therapeutic Drug Monitoring</i> , 2012 , 34, 565-8	3.2	61
111	Limited predictability of amikacin clearance in extreme premature neonates at birth. <i>British Journal of Clinical Pharmacology</i> , 2006 , 61, 39-48	3.8	60
110	Quantitative description of loss of clinical benefit following withdrawal of levodopa-carbidopa and bromocriptine in early Parkinson's disease. <i>Movement Disorders</i> , 2002 , 17, 961-8	7	59

109	Improved prediction of tacrolimus concentrations early after kidney transplantation using theory-based pharmacokinetic modelling. <i>British Journal of Clinical Pharmacology</i> , 2014 , 78, 509-23	3.8	58
108	Dexmedetomidine hemodynamics in children after cardiac surgery. <i>Paediatric Anaesthesia</i> , 2010 , 20, 425-33	1.8	58
107	The target concentration approach to clinical drug development. <i>Clinical Pharmacokinetics</i> , 1995 , 29, 287-91	6.2	58
106	A time to event tutorial for pharmacometricians. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2013 , 2, e43	4.5	57
105	Quinidine pharmacokinetics in man: choice of a disposition model and absolute bioavailability studies. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 1979 , 7, 315-30		57
104	Prediction of morphine dose in humans. <i>Paediatric Anaesthesia</i> , 2012 , 22, 209-22	1.8	55
103	Dosing in children. <i>Clinical Pharmacology and Therapeutics</i> , 2010 , 87, 367-70	6.1	55
102	Levodopa slows progression of Parkinson's disease: external validation by clinical trial simulation. <i>Pharmaceutical Research</i> , 2007 , 24, 791-802	4.5	54
101	Prediction of the outcome of a phase 3 clinical trial of an antischizophrenic agent (quetiapine fumarate) by simulation with a population pharmacokinetic and pharmacodynamic model. <i>Clinical Pharmacology and Therapeutics</i> , 2000 , 68, 568-77	6.1	53
100	A comparison of bootstrap approaches for estimating uncertainty of parameters in linear mixed-effects models. <i>Pharmaceutical Statistics</i> , 2013 , 12, 129-40	1	52
99	Investigating the pharmacodynamics of ketamine in children. <i>Paediatric Anaesthesia</i> , 2008 , 18, 36-42	1.8	48
98	Pharmacokinetics of prednisolone and endogenous hydrocortisone levels in cushingoid and non-cushingoid patients. <i>European Journal of Clinical Pharmacology</i> , 1981 , 21, 235-42	2.8	48
97	Analysis of population pharmacokinetic data using NONMEM and WinBUGS. <i>Journal of Biopharmaceutical Statistics</i> , 2005 , 15, 53-73	1.3	47
96	Population PKPD modelling of the long-term hypoglycaemic effect of gliclazide given as a once-a-day modified release (MR) formulation. <i>British Journal of Clinical Pharmacology</i> , 2003 , 55, 147-57	3.8	46
95	Modeling the norketamine metabolite in children and the implications for analgesia. <i>Paediatric Anaesthesia</i> , 2007 , 17, 831-40	1.8	45
94	Population pharmacokinetics and pharmacodynamics of linezolid-induced thrombocytopenia in hospitalized patients. <i>British Journal of Clinical Pharmacology</i> , 2017 , 83, 1758-1772	3.8	42
93	The influence of tuberculosis treatment on efavirenz clearance in patients co-infected with HIV and tuberculosis. <i>European Journal of Clinical Pharmacology</i> , 2012 , 68, 689-95	2.8	42
92	Application of clinical trial simulation to compare proof-of-concept study designs for drugs with a slow onset of effect; an example in Alzheimer's disease. <i>Pharmaceutical Research</i> , 2006 , 23, 2050-9	4.5	42

91	Dexmedetomidine pharmacokinetics in the obese. <i>European Journal of Clinical Pharmacology</i> , 2015 , 71, 1501-8	2.8	40
90	Dyskinesia and the antiparkinsonian response always temporally coincide: a retrospective study. <i>Neurology</i> , 2010 , 74, 1191-7	6.5	40
89	Washout and delayed start designs for identifying disease modifying effects in slowly progressive diseases using disease progression analysis. <i>Pharmaceutical Statistics</i> , 2009 , 8, 225-38	1	39
88	Models for describing absorption rate and estimating extent of bioavailability: application to cefetamet pivoxil. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 1992 , 20, 421-42		39
87	Disease progress and response to treatment as predictors of survival, disability, cognitive impairment and depression in Parkinson's disease. <i>British Journal of Clinical Pharmacology</i> , 2012 , 74, 284-95	3.8	38
86	Opiate receptor binding-effect relationship: sufentanil and etorphine produce analgesia at the mu-site with low fractional receptor occupancy. <i>Brain Research</i> , 1984 , 291, 317-24	3.7	37
85	What is the best size predictor for dose in the obese child?. <i>Paediatric Anaesthesia</i> , 2017 , 27, 1176-1184	1.8	36
84	Dose-dependent elimination of propranolol and its major metabolites in humans. <i>Journal of Pharmaceutical Sciences</i> , 1983 , 72, 725-32	3.9	36
83	Tramadol and o-desmethyl tramadol clearance maturation and disposition in humans: a pooled pharmacokinetic study. <i>Clinical Pharmacokinetics</i> , 2015 , 54, 167-78	6.2	35
82	Caffeine overdose in a premature infant: clinical course and pharmacokinetics. <i>Anaesthesia and Intensive Care</i> , 1999 , 27, 307-11	1.1	35
81	Evaluation of bootstrap methods for estimating uncertainty of parameters in nonlinear mixed-effects models: a simulation study in population pharmacokinetics. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2014 , 41, 15-33	2.7	34
80	Prednisone and prednisolone bioavailability in renal transplant patients. <i>Kidney International</i> , 1982 , 21, 621-6	9.9	33
79	Predicting weight using postmenstrual age--neonates to adults. <i>Paediatric Anaesthesia</i> , 2011 , 21, 309-15	1.8	31
78	Features and toxicokinetics of clozapine in overdose. <i>Therapeutic Drug Monitoring</i> , 1998 , 20, 92-7	3.2	31
77	Postoperative analgesia using diclofenac and acetaminophen in children. <i>Paediatric Anaesthesia</i> , 2014 , 24, 953-61	1.8	27
76	Disease progression, drug action and Parkinson's disease: why time cannot be ignored. <i>European Journal of Clinical Pharmacology</i> , 2008 , 64, 207-16	2.8	25
75	Pharmacokinetic and pharmacodynamic changes during the first four years of levodopa treatment in Parkinson's disease. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2005 , 32, 459-84	2.7	25
74	Pharmacokinetic-pharmacodynamic analysis of unbound disopyramide directly measured in serial plasma samples in man. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 1984 , 12, 559-73		25

73	Pharmacokinetics of quinidine and three of its metabolites in man. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 1984 , 12, 1-21		25
72	Clinical pharmacology = disease progression + drug action. <i>British Journal of Clinical Pharmacology</i> , 2015 , 79, 18-27	3.8	24
71	The population pharmacokinetics of allopurinol and oxypurinol in patients with gout. <i>European Journal of Clinical Pharmacology</i> , 2013 , 69, 1411-21	2.8	24
70	Nonlinear pharmacokinetics of piperacillin in healthy volunteers--implications for optimal dosage regimens. <i>British Journal of Clinical Pharmacology</i> , 2010 , 70, 682-93	3.8	24
69	Population pharmacokinetics of humanized monoclonal antibody HuCC49deltaCH2 and murine antibody CC49 in colorectal cancer patients. <i>Journal of Clinical Pharmacology</i> , 2007 , 47, 227-37	2.9	24
68	Theory-based pharmacokinetics and pharmacodynamics of S- and R-warfarin and effects on international normalized ratio: influence of body size, composition and genotype in cardiac surgery patients. <i>British Journal of Clinical Pharmacology</i> , 2017 , 83, 823-835	3.8	23
67	A combined pharmacokinetic model for the hypoxia-targeted prodrug PR-104A in humans, dogs, rats and mice predicts species differences in clearance and toxicity. <i>Cancer Chemotherapy and Pharmacology</i> , 2011 , 67, 1145-55	3.5	23
66	Modeling the short- and long-duration responses to exogenous levodopa and to endogenous levodopa production in Parkinson's disease. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2004 , 31, 243-68	2.7	23
65	Simulation of correlated continuous and categorical variables using a single multivariate distribution. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2006 , 33, 773-94	2.7	22
64	Pharmacokinetics of paracetamol in adults after cardiac surgery. <i>Anaesthesia and Intensive Care</i> , 1999 , 27, 615-22	1.1	22
63	The ghosts of departed quantities: approaches to dealing with observations below the limit of quantitation. <i>Statistics in Medicine</i> , 2012 , 31, 4280-95	2.3	21
62	Importance of within subject variation in levodopa pharmacokinetics: a 4 year cohort study in Parkinson's disease. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2005 , 32, 307-31	2.7	21
61	Disposition of total and unbound prednisolone in renal transplant patients receiving anticonvulsants. <i>Kidney International</i> , 1984 , 25, 119-23	9.9	21
60	Lack of association of single-nucleotide polymorphisms in pregnane X receptor, hepatic nuclear factor 4alpha, and constitutive androstane receptor with docetaxel pharmacokinetics. <i>Clinical Cancer Research</i> , 2007 , 13, 7126-32	12.9	20
59	Optimizing Mycophenolic Acid Exposure in Kidney Transplant Recipients: Time for Target Concentration Intervention. <i>Transplantation</i> , 2019 , 103, 2012-2030	1.8	19
58	Does saturable formation of gemcitabine triphosphate occur in patients?. <i>Cancer Chemotherapy and Pharmacology</i> , 2008 , 63, 55-64	3.5	18
57	Moclobemide: relationships between dose, drug concentration in plasma, and occurrence of adverse events. <i>Journal of Clinical Psychopharmacology</i> , 1995 , 15, 845-945	1.7	18
56	Pharmacodynamic principles and the time course of immediate drug effects. <i>Translational and Clinical Pharmacology</i> , 2017 , 25, 157-161	2	16

55	Holford NHG and Sheiner LB "Understanding the Dose-Effect Relationship-Clinical Application of Pharmacokinetic-Pharmacodynamic Models", <i>Clin Pharmacokin</i> 6:429-453 (1981)-The Backstory. <i>AAPS Journal</i> , 2011 , 13, 662-4	3.7	16
54	Investigations using logistic regression models on the effect of the LMA on morphine induced vomiting after tonsillectomy. <i>Paediatric Anaesthesia</i> , 2000 , 10, 633-8	1.8	16
53	The pharmacokinetics of theophylline in premature neonates during the first few days after birth. <i>Therapeutic Drug Monitoring</i> , 1999 , 21, 598-603	3.2	15
52	TDM is dead. Long live TCI!. <i>British Journal of Clinical Pharmacology</i> , 2020 ,	3.8	14
51	Aspects of theophylline clearance in children. <i>Anaesthesia and Intensive Care</i> , 1997 , 25, 497-501	1.1	14
50	Population pharmacokinetic and pharmacodynamic modelling of the effects of nicorandil in the treatment of acute heart failure. <i>British Journal of Clinical Pharmacology</i> , 2008 , 66, 352-65	3.8	14
49	Pharmacometrics: opportunity for reducing disease burden in the developing world: the case of Africa. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2013 , 2, e69	4.5	13
48	Time for quantitative clinical pharmacology: a proposal for a pharmacometrics curriculum. <i>Clinical Pharmacology and Therapeutics</i> , 2007 , 82, 103-5	6.1	13
47	PKPD model of interleukin-21 effects on thermoregulation in monkeys--application and evaluation of stochastic differential equations. <i>Pharmaceutical Research</i> , 2007 , 24, 298-309	4.5	13
46	A pharmacokinetic model to predict the PK interaction of L-dopa and benserazide in rats. <i>Pharmaceutical Research</i> , 2001 , 18, 1174-84	4.5	13
45	Quinidine decreases both renal and metabolic clearance of digoxin. <i>American Journal of Cardiology</i> , 1980 , 45, 453	3	12
44	Negligible impact of birth on renal function and drug metabolism. <i>Paediatric Anaesthesia</i> , 2018 , 28, 1015-1021	1.8	12
43	Pharmacodynamic principles and target concentration intervention. <i>Translational and Clinical Pharmacology</i> , 2018 , 26, 150-154	2	11
42	Comment on Pharmacokinetic Studies in Neonates: The Utility of an Opportunistic Sampling Design. <i>Clinical Pharmacokinetics</i> , 2015 , 54, 1287-8	6.2	9
41	Leaving no stone unturned, or extracting blood from stone?. <i>Paediatric Anaesthesia</i> , 2010 , 20, 1-6	1.8	9
40	Volume of Distribution. <i>Translational and Clinical Pharmacology</i> , 2016 , 24, 74	2	9
39	Clearance. <i>Translational and Clinical Pharmacology</i> , 2015 , 23, 42	2	8
38	Review: efficient rehabilitation trial designs using disease progress modeling: a pediatric traumatic brain injury example. <i>Neurorehabilitation and Neural Repair</i> , 2010 , 24, 225-34	4.7	8

37	Clinical pharmacology: principles and practice of drug therapy in medical education. <i>British Journal of Clinical Pharmacology</i> , 2002 , 54, 1-2	3.8	8
36	Disease progression and neuroscience. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2013 , 40, 369-76	2.7	7
35	A hemodynamic model to guide blood pressure control during deliberate hypotension with sodium nitroprusside in children. <i>Frontiers in Pharmacology</i> , 2015 , 6, 151	5.6	6
34	Pharmacokinetics and pharmacodynamics of quinidine and its metabolite, quinidine-N-oxide, in beagle dogs. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 1984 , 9, 315-24	2.7	6
33	Pharmacodynamic principles and the time course of delayed and cumulative drug effects. <i>Translational and Clinical Pharmacology</i> , 2018 , 26, 56-59	2	6
32	The absence of effect of azathioprine on prednisolone pharmacokinetics following maintenance prednisone doses in kidney transplant patients. <i>American Journal of Kidney Diseases</i> , 1984 , 3, 425-9	7.4	5
31	Gastrointestinal absorption of quinidine from some solutions and commercial tablets. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 1980 , 8, 243-55		5
30	Relative bioavailability of chlorthalidone in humans: adverse influence of polyethylene glycol. <i>Journal of Pharmaceutical Sciences</i> , 1982 , 71, 533-5	3.9	5
29	Determination of maximum effect. <i>Clinical Pharmacology and Therapeutics</i> , 2002 , 71, 304; author reply 304-5	6.1	5
28	Quantitative model for the blood pressure-lowering interaction of valsartan and amlodipine. <i>British Journal of Clinical Pharmacology</i> , 2016 , 82, 1557-1567	3.8	5
27	Dose Response: Pharmacokinetic/Pharmacodynamic Approach 2006 , 73-88		4
26	Disease Progress Models 2007 , 313-321		4
25	The Effect of Size, Maturation, Global Asphyxia, Cerebral Ischemia, and Therapeutic Hypothermia on the Pharmacokinetics of High-Dose Recombinant Erythropoietin in Fetal Sheep. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
24	Pharmacokinetic variability due to environmental differences. <i>Translational and Clinical Pharmacology</i> , 2017 , 25, 59-62	2	3
23	Modeling helps in understanding antidepressants. <i>Clinical Pharmacology and Therapeutics</i> , 2012 , 92, 1556-61	6.1	3
22	Evaluation of a morphine maturation model for the prediction of morphine clearance in children. <i>British Journal of Clinical Pharmacology</i> , 2011 , 72, 518-20; author reply 521-3	3.8	3
21	Relationship of muscle strength to potassium concentration in a hypokalaemic infant. <i>Anaesthesia and Intensive Care</i> , 1997 , 25, 525-7	1.1	3
20	Rectal acetaminophen pharmacokinetics. <i>Anesthesiology</i> , 1998 , 88, 1131-3	4.3	3

19	The International Society of Pharmacometrics. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2013 , 40, 3-4	2.7	2
18	Response to R-warfarin anticoagulant effect. <i>British Journal of Clinical Pharmacology</i> , 2017 , 83, 2305-2306	5.8	2
17	Tacrolimus pharmacokinetics after kidney transplantation--Influence of changes in haematocrit and steroid dose. <i>British Journal of Clinical Pharmacology</i> , 2015 , 80, 1475-6	3.8	2
16	Non-stationary pharmacokinetics of bupivacaine during continuous interpleural infusion. <i>Acute Pain</i> , 1997 , 1, 15-20		2
15	Concentration controlled therapy. <i>International Congress Series</i> , 2001 , 1220, 135-144		2
14	Wide size dispersion and use of body composition and maturation improves the reliability of allometric exponent estimates. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2021 , 1	2.7	2
13	Absorption and Half-Life. <i>Translational and Clinical Pharmacology</i> , 2016 , 24, 157	2	2
12	Pharmacometrics in Australasia-Twenty Years of Population Approach Group of Australia and New Zealand. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2019 , 8, 701-704	4.5	1
11	Disease Progress Models 2012 , 369-379		1
10	Authors' response to Marras and Oakes, 'Piecing together the puzzle of progression and mortality in Parkinson's disease'. <i>British Journal of Clinical Pharmacology</i> , 2013 , 75, 1370-1	3.8	1
9	Response to Validation and Assessment of Predictive Performance in Simulation Models of Clinical Trials <i>Clinical Pharmacology and Therapeutics</i> , 2011 , 89, 488-488	6.1	1
8	Treatment response and disease progression. <i>Translational and Clinical Pharmacology</i> , 2019 , 27, 123-126	2	1
7	Time Course of Drug Response 2007 , 301-311		0
6	Population Pharmacokinetic and Pharmacodynamic Methods 2014 , 551-569		
5	Time Course of Drug Response 2012 , 357-367		
4	Response to Diaz and de Leon "the mathematics of drug dose individualization should be built with random effects linear models". <i>Therapeutic Drug Monitoring</i> , 2013 , 35, 873-4	3.2	
3	Pharmacometrics: The Science of Quantitative Pharmacology by E. I. Ette and P. J. Williams. <i>Biometrics</i> , 2008 , 64, 313-313	1.8	
2	Disease progress models 2022 , 389-403		

- 1 Time course of drug response **2022**, 377-387