

# Roger K Verbeek

## List of Publications by Year in descending order

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104  
papers

4,796  
citations

125106

35  
h-index

116156

66  
g-index

105  
all docs

105  
docs citations

105  
times ranked

3940  
citing authors

#	ARTICLE	IF	CITATIONS
1	Population Pharmacokinetic Modeling and Optimal Sampling Strategy for Bayesian Estimation of Amikacin Exposure in Critically Ill Septic Patients. <i>Therapeutic Drug Monitoring</i> , 2010, 32, 749-756.	1.0	594
2	Pharmacokinetics and dosage adjustment in patients with hepatic dysfunction. <i>European Journal of Clinical Pharmacology</i> , 2008, 64, 1147-1161.	0.8	518
3	Pharmacokinetics and dosage adjustment in patients with renal dysfunction. <i>European Journal of Clinical Pharmacology</i> , 2009, 65, 757-773.	0.8	392
4	Clinical Pharmacokinetics of Non-steroidal Anti-inflammatory Drugs. <i>Clinical Pharmacokinetics</i> , 1983, 8, 297-331.	1.6	205
5	Comparative Clinical Pharmacokinetics of Tacrolimus in Paediatric and Adult Patients. <i>Clinical Pharmacokinetics</i> , 2001, 40, 283-295.	1.6	124
6	Plasma Protein Binding of Drugs in the Elderly. <i>Clinical Pharmacokinetics</i> , 1987, 12, 41-72.	1.6	120
7	Effects of age and sex on piroxicam disposition. <i>Clinical Pharmacology and Therapeutics</i> , 1985, 37, 13-18.	2.3	88
8	Pharmacokinetic Drug Interactions with Nonsteroidal Anti-Inflammatory Drugs. <i>Clinical Pharmacokinetics</i> , 1990, 19, 44-66.	1.6	87
9	Systemic delivery of parathyroid hormone (1-34) using inhalation dry powders in rats. <i>Journal of Pharmaceutical Sciences</i> , 2003, 92, 938-950.	1.6	84
10	The Effect of Ageing on Cytochrome P450 Enzymes: Consequences for Drug Biotransformation in the Elderly. <i>Current Medicinal Chemistry</i> , 2007, 14, 745-757.	1.2	75
11	Biotransformation of diflunisal and renal excretion of its glucuronides in renal insufficiency.. <i>British Journal of Clinical Pharmacology</i> , 1979, 7, 273-282.	1.1	74
12	Extrahepatic glucuronidation of propofol in man: possible contribution of gut wall and kidney. <i>European Journal of Clinical Pharmacology</i> , 1996, 50, 91-96.	0.8	73
13	Blood microdialysis in pharmacokinetic and drug metabolism studies. <i>Advanced Drug Delivery Reviews</i> , 2000, 45, 217-228.	6.6	73
14	BIOTRANSFORMATION AND EXCRETION OF LORAZEPAM IN PATIENTS WITH CHRONIC RENAL FAILURE. <i>British Journal of Clinical Pharmacology</i> , 1976, 3, 1033-1039.	1.1	65
15	Drug Metabolites in Renal Failure. <i>Clinical Pharmacokinetics</i> , 1981, 6, 329-345.	1.6	61
16	The effect of end-stage renal failure and haemodialysis on the elimination kinetics of sotalolol. <i>British Journal of Clinical Pharmacology</i> , 1976, 3, 259-265.	1.1	60
17	Application of dermal microdialysis for the evaluation of bioequivalence of a ketoprofen topical gel. <i>European Journal of Pharmaceutical Sciences</i> , 2009, 36, 219-225.	1.9	60
18	Furosemide kinetics and dynamics in patients with cirrhosis. <i>Clinical Pharmacology and Therapeutics</i> , 1986, 40, 14-20.	2.3	58

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19	Optimizing treatment outcome of first-line anti-tuberculosis drugs: the role of therapeutic drug monitoring. <i>European Journal of Clinical Pharmacology</i> , 2016, 72, 905-916.	0.8	58
20	Excretion of trazodone in breast milk.. <i>British Journal of Clinical Pharmacology</i> , 1986, 22, 367-370.	1.1	57
21	Binding of phenothiazine neuroleptics to plasma proteins. <i>Biochemical Pharmacology</i> , 1983, 32, 2565-2570.	2.0	54
22	Limited Sampling Models and Bayesian Estimation for Mycophenolic Acid Area under the Curve Prediction in Stable Renal Transplant Patients Co-Medicated with Ciclosporin or Sirolimus. <i>Clinical Pharmacokinetics</i> , 2009, 48, 745-758.	1.6	52
23	Biowaiver monographs for immediate release solid oral dosage forms based on biopharmaceutics classification system (BCS) literature data: Chloroquine phosphate, chloroquine sulfate, and chloroquine hydrochloride**This study reflects the scientific opinion of the authors and not the policies of regulating agencies.. <i>Journal of Pharmaceutical Sciences</i> , 2005, 94, 1389-1395.	1.6	48
24	Intravenous microdialysis in the mouse and the rat: development and pharmacokinetic application of a new probe. <i>Pharmaceutical Research</i> , 1996, 13, 12-17.	1.7	47
25	Role of taurine in osmoregulation during endurance exercise. <i>European Journal of Applied Physiology</i> , 2002, 87, 489-495.	1.2	47
26	Furosemide disposition in cirrhosis. <i>Clinical Pharmacology and Therapeutics</i> , 1982, 31, 719-725.	2.3	45
27	Fluconazole Distribution in Rat Dermis Following Intravenous and Topical Application: A Microdialysis Study. <i>Journal of Pharmaceutical Sciences</i> , 2005, 94, 770-780.	1.6	42
28	Meperidine disposition in man: Influence of urinary pH and route of administration. <i>Clinical Pharmacology and Therapeutics</i> , 1981, 30, 619-628.	2.3	41
29	Prediction of paraquat exposure and toxicity in clinically ill poisoned patients: a model based approach. <i>British Journal of Clinical Pharmacology</i> , 2014, 78, 855-866.	1.1	39
30	Reduced elimination of ketoprofen in the elderly is not necessarily due to impaired glucuronidation.. <i>British Journal of Clinical Pharmacology</i> , 1984, 17, 783-784.	1.1	38
31	On-line determination of fluconazole in blood and dermal rat microdialysates by microbore high-performance liquid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 787, 323-331.	1.2	38
32	Sensitive assay for midazolam and its metabolite 1- $\alpha$ -hydroxymidazolam in human plasma by capillary high-performance liquid chromatography. <i>Biomedical Applications</i> , 1998, 710, 165-171.	1.7	36
33	Therapeutic Drug Monitoring in Tuberculosis: Practical Application for Physicians. <i>Clinical Infectious Diseases</i> , 2017, 64, 104-105.	2.9	36
34	Sex-difference and the effects of smoking and oral contraceptive steroids on the kinetics of diflunisal. <i>European Journal of Clinical Pharmacology</i> , 1990, 38, 175-9.	0.8	35
35	A Simultaneous D $\alpha$ Optimal Designed Study for Population Pharmacokinetic Analyses of Mycophenolic Acid and Tacrolimus Early After Renal Transplantation. <i>Journal of Clinical Pharmacology</i> , 2012, 52, 1833-1843.	1.0	35
36	High-performance liquid chromatographic analysis of piroxicam and its major metabolite 5- $\alpha$ -hydroxypiroxicam in human plasma and urine. <i>Biomedical Applications</i> , 1986, 382, 382-388.	1.7	34

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37	Propofol pharmacokinetics in children with biliary atresia. <i>British Journal of Anaesthesia</i> , 1995, 74, 46-49.	1.5	34
38	Cryopreservation of rat precision-cut liver slices by ultrarapid freezing. <i>Life Sciences</i> , 2001, 68, 2391-2403.	2.0	34
39	Differential Activities of CYP1A Isozymes in Hepatic and Intestinal Microsomes of Control and 3-Methylcholanthrene-Induced Rats. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2000, 86, 71-77.	0.0	34
40	Age-related changes in the protein and mRNA levels of CYP2E1 and CYP3A isoforms as well as in their hepatic activities in Wistar rats. What role for oxidative stress?. <i>Archives of Toxicology</i> , 2004, 78, 131-138.	1.9	33
41	Effect of dose on the glucuronidation and sulphation kinetics of diflunisal in man: single dose studies.. <i>British Journal of Clinical Pharmacology</i> , 1988, 26, 31-39.	1.1	31
42	Effect of aluminum hydroxide on diflunisal absorption.. <i>British Journal of Clinical Pharmacology</i> , 1979, 7, 519-522.	1.1	30
43	Simultaneous microdialysis in brain and blood of the mouse: extracellular and intracellular brain colchicine disposition. <i>Brain Research</i> , 1998, 786, 122-127.	1.1	30
44	Application of Dermal Microdialysis for the Determination of Bioavailability of Clobetasol Propionate Applied to the Skin of Human Subjects. <i>Skin Pharmacology and Physiology</i> , 2012, 25, 17-24.	1.1	30
45	Evaluation of the formalin test to assess the analgesic activity of diflunisal in the rat. <i>European Journal of Pharmaceutical Sciences</i> , 1998, 6, 307-312.	1.9	29
46	Modulation of paracetamol metabolism by Kupffer cells: A study on rat liver slices. <i>Life Sciences</i> , 1999, 65, 2851-2859.	2.0	29
47	Time of Drug Administration, CYP3A5 and ABCB1 Genotypes, and Analytical Method Influence Tacrolimus Pharmacokinetics: A Population Pharmacokinetic Study. <i>Therapeutic Drug Monitoring</i> , 2009, 31, 734-742.	1.0	29
48	Population pharmacokinetics of four $\beta$ -lactams in critically ill septic patients comedicated with amikacin. <i>Clinical Biochemistry</i> , 2012, 45, 780-786.	0.8	29
49	Population pharmacokinetic analysis of tacrolimus in the first year after pediatric liver transplantation. <i>European Journal of Clinical Pharmacology</i> , 2013, 69, 1533-1542.	0.8	29
50	Glucuronidation of diflunisal by rat liver microsomes. <i>Biochemical Pharmacology</i> , 1993, 46, 1953-1958.	2.0	28
51	Circadian rhythm of serum sulfate levels in man and acetaminophen pharmacokinetics. <i>European Journal of Clinical Pharmacology</i> , 1990, 39, 143-148.	0.8	27
52	Differential induction of midazolam metabolism in the small intestine and liver by oral and intravenous dexamethasone pretreatment in rat. <i>Xenobiotica</i> , 2002, 32, 975-984.	0.5	27
53	The revised EMA guideline for the investigation of bioequivalence for immediate release oral formulations with systemic action. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2012, 15, 376.	0.9	27
54	Biowaiver Monographs for Immediate-Release Solid Oral Dosage Forms: Enalapril. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 1933-1943.	1.6	27

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55	Influence of chronic renal failure and hemodialysis on diflunisal plasma protein binding. <i>Clinical Pharmacology and Therapeutics</i> , 1980, 27, 628-635.	2.3	26
56	ELIMINATION OF DIFLUNISAL AS ITS ACYL GLUCURONIDE, PHENOLIC GLUCURONIDE AND SULFATE CONJUGATES IN BILE-EXTERIORIZED AND INTACT RATS. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1989, 16, 913-924.	0.9	25
57	Concentration-dependent plasma protein binding of flurbiprofen in the rat: an in vivo microdialysis study. <i>Pharmaceutical Research</i> , 1996, 13, 18-22.	1.7	25
58	In vivo assessment of intestinal, hepatic, and pulmonary first pass metabolism of propofol in the rat. <i>Pharmaceutical Research</i> , 1996, 13, 891-895.	1.7	25
59	Statistical tools for dose individualization of mycophenolic acid and tacrolimus administered during the first month after renal transplantation. <i>British Journal of Clinical Pharmacology</i> , 2013, 75, 1277-1288.	1.1	25
60	Plasma protein binding and interaction studies with diflunisal, a new salicylate analgesic. <i>Biochemical Pharmacology</i> , 1980, 29, 571-576.	2.0	24
61	Kinetics of oral trifluoperazine disposition in man.. <i>British Journal of Clinical Pharmacology</i> , 1983, 15, 380-382.	1.1	24
62	High-Performance Liquid Chromatographic Method for the Simultaneous Quantitation of Diflunisal and its Glucuronide and Sulfate Conjugates in Human Urine. <i>Journal of Pharmaceutical Sciences</i> , 1989, 78, 250-255.	1.6	24
63	Population Pharmacokinetic Analysis of Tacrolimus Early After Pediatric Liver Transplantation. <i>Therapeutic Drug Monitoring</i> , 2014, 36, 54-61.	1.0	24
64	Glucuronidation of diflunisal in liver and kidney microsomes of rat and man. <i>Xenobiotica</i> , 1996, 26, 123-131.	0.5	22
65	In vivo Tolerance Assessment of Skin after Insertion of Subcutaneous and Cutaneous Microdialysis Probes in the Rat. <i>Skin Pharmacology and Physiology</i> , 2003, 16, 18-27.	1.1	22
66	Midazolam and cortisol metabolism before and after CYP3A induction in humans. <i>International Journal of Clinical Pharmacology and Therapeutics</i> , 2001, 39, 293-299.	0.3	22
67	The effect of multiple dosage on the kinetics of glucuronidation and sulphation of diflunisal in man.. <i>British Journal of Clinical Pharmacology</i> , 1990, 29, 381-389.	1.1	21
68	Piroxicam and 5?-hydroxyproxicam kinetics following multiple dose administration of piroxicam. <i>European Journal of Clinical Pharmacology</i> , 1987, 32, 89-91.	0.8	20
69	Ageing is associated with increased expression but decreased activity of CYP2E1 in male Wistar rats. <i>Life Sciences</i> , 2006, 79, 1913-1920.	2.0	20
70	Empirical models for dosage optimization of four $\beta$ -lactams in critically ill septic patients based on therapeutic drug monitoring of amikacin. <i>Clinical Biochemistry</i> , 2010, 43, 589-598.	0.8	20
71	In children, the addition of epinephrine modifies the pharmacokinetics of ropivacaine injected caudally. <i>Canadian Journal of Anaesthesia</i> , 2003, 50, 593-598.	0.7	19
72	Conjugation-deconjugation cycling of diflunisal via $\beta$ -glucuronidase catalyzed hydrolysis of its acyl glucuronide in the rat. <i>Life Sciences</i> , 1997, 60, 2013-2021.	2.0	18

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73	Validation of subcutaneous microdialysis sampling for pharmacokinetic studies of flurbiprofen in the rat. <i>Journal of Pharmaceutical Sciences</i> , 2001, 90, 1897-1906.	1.6	18
74	Both phenolic and acyl glucuronidation pathways of diflunisal are impaired in liver cirrhosis. <i>European Journal of Clinical Pharmacology</i> , 1992, 42, 471-474.	0.8	17
75	Study of the Percutaneous Penetration of Flurbiprofen by Cutaneous and Subcutaneous Microdialysis after Iontophoretic Delivery in Rat. <i>Journal of Pharmaceutical Sciences</i> , 2005, 94, 144-152.	1.6	16
76	Diflunisal and its conjugates in patients with renal failure.. <i>British Journal of Clinical Pharmacology</i> , 1991, 31, 546-550.	1.1	15
77	Glucuronidation kinetics of R,S-ketoprofen in adjuvant-induced arthritic rats. <i>Pharmaceutical Research</i> , 1999, 16, 1081-1086.	1.7	15
78	Biliary excretion of diflunisal conjugates in patients with T-tube drainage. <i>European Journal of Clinical Pharmacology</i> , 1988, 34, 423-426.	0.8	14
79	Excretion of tacrolimus glucuronides in human bile. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 1997, 22, 217-221.	0.6	13
80	A Rapid High-Performance Liquid Chromatographic Method for the Measurement of Midazolam Plasma Concentrations During Long-Term Infusion in ICU Patients. <i>Therapeutic Drug Monitoring</i> , 1997, 19, 352-357.	1.0	13
81	Predictors of tuberculosis treatment success under the DOTS program in Namibia. <i>Expert Review of Respiratory Medicine</i> , 2018, 12, 979-987.	1.0	12
82	Effect of probenecid on the formation and elimination kinetics of the sulphate and glucuronide conjugates of diflunisal. <i>European Journal of Clinical Pharmacology</i> , 1995, 47, 519-23.	0.8	11
83	The use of precision-cut liver slices from male Wistar rats as a tool to study age related changes in CYP3A induction and in formation of paracetamol conjugates. <i>Toxicology in Vitro</i> , 2004, 18, 879-885.	1.1	11
84	Alfentanil-Induced Miosis as a Surrogate Measure of Alfentanil Pharmacokinetics in Patients with Mild and Moderate Liver Cirrhosis. <i>Clinical Pharmacokinetics</i> , 2007, 46, 261-270.	1.6	11
85	Decreased CYP3A2 expression and activity in senescent male Wistar rats: Is there a role for HNF4 $\beta$ ? <i>Experimental Gerontology</i> , 2006, 41, 846-854.	1.2	10
86	Comparative oral bioavailability of non-fixed and fixed combinations of artesunate and amodiaquine in healthy Indian male volunteers. <i>European Journal of Clinical Pharmacology</i> , 2011, 67, 267-275.	0.8	9
87	Assessment of anticoagulation management in outpatients attending a warfarin clinic in Windhoek, Namibia. <i>Drugs and Therapy Perspectives</i> , 2019, 35, 341-346.	0.3	9
88	Cryopreservation of Rat Precision-cut Liver Slices is Associated with Major Metabolic Stress and Ionic Perturbations. <i>Cellular Physiology and Biochemistry</i> , 2003, 13, 103-112.	1.1	8
89	Predictors of loss to follow-up of tuberculosis cases under the DOTS programme in Namibia. <i>ERJ Open Research</i> , 2020, 6, 00030-2019.	1.1	8
90	Trazodone Hydrochloride. <i>Analytical Profiles of Drug Substances</i> , 1987, , 693-730.	0.0	7

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91	Isolation and identification of new rapamycin dihydrodiol metabolites from dexamethasone-induced rat liver microsomes. <i>Xenobiotica</i> , 1997, 27, 869-883.	0.5	7
92	Isolation and identification of a C39 demethylated metabolite of rapamycin from pig liver microsomes and evaluation of its immunosuppressive activity. <i>Clinical Chemistry</i> , 1998, 44, 532-538.	1.5	6
93	Alfentanil-Induced Miosis Clearance as a Liver CYP3A4 and 3A5 Activity Measure in Healthy Volunteers: Improvement of Experimental Conditions. <i>Journal of Clinical Pharmacology</i> , 2005, 45, 1434-1441.	1.0	6
94	The Lidose Hard Capsule Formulation of Fenofibrate is Suprabioavailable Compared to the Nanoparticle Tablet Formulation Under High-fat Fed Conditions. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2015, 18, 61.	0.9	6
95	GLUCURONIDATION OF DIFLUNISAL, (S)-MORPHINE, 4-NITROPHENOL, AND PROPOFOL IN LIVER MICROSOMES OF TWO PATIENTS WITH CRIGLER-NAJJAR SYNDROME TYPE I. , 1996, 17, 311-317.		4
96	Induction of CYP2C12 expression in senescent male rats is well correlated to an increase of HNF3 $\beta$ expression, while the decline of CYP2C11 expression is unlikely due to a decrease of STAT5 activation. <i>Biochemical Pharmacology</i> , 2007, 73, 923-933.	2.0	4
97	Acenocoumarol sensitivity and pharmacokinetic characterization of CYP2C9 *5/*8,*8/*11,*9/*11 and VKORC1*2 in black African healthy Beninese subjects. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2012, 37, 125-132.	0.6	4
98	Clinical Significance of the Plasma Protein Binding of Rifampicin in the Treatment of Tuberculosis Patients. <i>Clinical Pharmacokinetics</i> , 2019, 58, 1511-1515.	1.6	3
99	Should Codeine Still be Considered a WHO Essential Medicine?. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2021, 24, 329-335.	0.9	2
100	Monitoring of gentamicin serum concentrations in obstetrics and gynaecology patients in Namibia. <i>International Journal of Clinical Pharmacy</i> , 2018, 40, 520-525.	1.0	1
101	Differential Activities of CYP1A Isozymes in Hepatic and Intestinal Microsomes of Control and 3-Methylcholanthrene-Induced Rats. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2008, 86, 71-77.	0.0	0
102	CYP1A1 but Not CYP1A2 Proteins are Expressed in Human Lymphocytes. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2008, 86, 242-244.	0.0	0
103	Validation of subcutaneous microdialysis sampling for pharmacokinetic studies of flurbiprofen in the rat. <i>Journal of Pharmaceutical Sciences</i> , 2001, 90, 1897-1906.	1.6	0
104	Pharmacokinetic Considerations in the Toxicologic Evaluation of Xenobiotics. , 1995, , 125-144.		0