

Alison H H Thomson

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

89
papers

3,117
citations

29
h-index

54
g-index

93
ext. papers

3,395
ext. citations

4
avg, IF

4.54
L-index

#	Paper	IF	Citations
89	Do Vancomycin Pharmacokinetics Differ Between Obese and Non-obese Patients? Comparison of a General-Purpose and Four Obesity-Specific Pharmacokinetic Models. <i>Therapeutic Drug Monitoring</i> , 2021 , 43, 126-130	3.2	2
88	Drug Clearance in Neonates: A Combination of Population Pharmacokinetic Modelling and Machine Learning Approaches to Improve Individual Prediction. <i>Clinical Pharmacokinetics</i> , 2021 , 60, 1435-1448	6.2	3
87	Evaluation of amoxicillin, metronidazole and gentamicin dosage regimens for use in antibiotic prophylaxis in colorectal surgery. <i>Journal of Antimicrobial Chemotherapy</i> , 2021 , 76, 3212-3219	5.1	
86	Genetic Algorithms as a Tool for Dosing Guideline Optimization: Application to Intermittent Infusion Dosing for Vancomycin in Adults. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2020 , 9, 294-302	4.5	
85	Professional development beyond foundation training: a study of pharmacists working in Scotland. <i>International Journal of Pharmacy Practice</i> , 2020 , 28, 165-172	1.7	3
84	Population pharmacokinetic evaluation and optimization of amikacin dosage regimens for the management of mycobacterial infections. <i>Journal of Antimicrobial Chemotherapy</i> , 2020 , 75, 2933-2940	5.1	1
83	Development and evaluation of a national gentamicin and vancomycin quality improvement programme. <i>Journal of Antimicrobial Chemotherapy</i> , 2020 , 75, 1998-2003	5.1	3
82	Population pharmacokinetic meta-analysis of individual data to design the first randomized efficacy trial of vancomycin in neonates and young infants. <i>Journal of Antimicrobial Chemotherapy</i> , 2019 , 74, 2128-2138 ¹²	5.1	12
81	Pharmacokinetic/pharmacodynamic analysis of weight- and height-scaled tobramycin dosage regimens for patients with cystic fibrosis. <i>Journal of Antimicrobial Chemotherapy</i> , 2019 , 74, 2311-2317	5.1	2
80	Vancomycin Pharmacokinetics Throughout Life: Results from a Pooled Population Analysis and Evaluation of Current Dosing Recommendations. <i>Clinical Pharmacokinetics</i> , 2019 , 58, 767-780	6.2	33
79	Development of a LC-MS method for simultaneous determination of amoxicillin and metronidazole in human serum using hydrophilic interaction chromatography (HILIC). <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018 , 1089, 78-83	3.2	15
78	Amikacin use and therapeutic drug monitoring in adults: do dose regimens and drug exposures affect either outcome or adverse events? A systematic review. <i>Journal of Antimicrobial Chemotherapy</i> , 2016 , 71, 2754-9	5.1	39
77	Therapeutic drug monitoring in the past 40 years of the Journal of Antimicrobial Chemotherapy. <i>Journal of Antimicrobial Chemotherapy</i> , 2016 , 71, 3330-3332	5.1	20
76	Influence of Genotype on Warfarin Maintenance Dose Predictions Produced Using a Bayesian Dose Individualization Tool. <i>Therapeutic Drug Monitoring</i> , 2016 , 38, 677-683	3.2	7
75	Barriers to the safe and effective use of intravenous gentamicin and vancomycin in Scottish hospitals, and strategies for quality improvement. <i>European Journal of Hospital Pharmacy</i> , 2015 , 22, 32-37 ¹⁶		9
74	Research is a step into the unknown: an exploration of pharmacists' perceptions of factors impacting on research participation in the NHS. <i>BMJ Open</i> , 2015 , 5, e009180	3	9
73	Dosing regimen of meropenem for adults with severe burns: a population pharmacokinetic study with Monte Carlo simulations. <i>Journal of Antimicrobial Chemotherapy</i> , 2015 , 70, 882-90	5.1	21

72	Continuous infusion of vancomycin in neonates. <i>Archives of Disease in Childhood</i> , 2013 , 98, 478-9	2.2	21
71	Population pharmacokinetics of tobramycin in patients with and without cystic fibrosis. <i>Clinical Pharmacokinetics</i> , 2013 , 52, 289-301	6.2	47
70	Influence of multiple courses of therapy on aminoglycoside clearance in adult patients with cystic fibrosis. <i>Journal of Antimicrobial Chemotherapy</i> , 2013 , 68, 1338-47	5.1	16
69	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
68	Pharmacokinetic profiles of epidural bupivacaine and ropivacaine following single-shot and continuous epidural use in young infants. <i>Paediatric Anaesthesia</i> , 2012 , 22, 430-7	1.8	23
67	Bioavailability study of a concentrated suspension of phenytoin in healthy volunteers. <i>International Journal of Pharmacy Practice</i> , 2011 , 1, 216-219	1.7	
66	Pharmacokinetics and dose requirements of disopyramide in neonates and children. <i>International Journal of Pharmacy Practice</i> , 2011 , 2, 58-59	1.7	
65	Designing simple PK-PD studies in children. <i>Paediatric Anaesthesia</i> , 2011 , 21, 190-6	1.8	9
64	Pharmacokinetics and tissue penetration of vancomycin continuous infusion as prophylaxis for vascular surgery. <i>Journal of Antimicrobial Chemotherapy</i> , 2011 , 66, 2624-7	5.1	17
63	Dosing regimens of oral ciprofloxacin for children with severe malnutrition: a population pharmacokinetic study with Monte Carlo simulation. <i>Journal of Antimicrobial Chemotherapy</i> , 2011 , 66, 2336-45	5.1	16
62	Evaluation of antipsychotic information on UK schizophrenia websites. <i>The Psychiatrist</i> , 2010 , 34, 422-426		2
61	Method for the quantification of diamorphine and its metabolites in pediatric plasma samples by liquid chromatography-tandem mass spectrometry. <i>Journal of Analytical Toxicology</i> , 2010 , 34, 177-95	2.9	6
60	Prediction of intravenous cyclosporine area under the concentration-time curve after allogeneic stem cell transplantation. <i>Therapeutic Drug Monitoring</i> , 2010 , 32, 353-8	3.2	8
59	Development of teicoplanin dosage guidelines for patients treated within an outpatient parenteral antibiotic therapy (OPAT) programme. <i>Journal of Antimicrobial Chemotherapy</i> , 2009 , 64, 181-7	5.1	36
58	Development and evaluation of vancomycin dosage guidelines designed to achieve new target concentrations. <i>Journal of Antimicrobial Chemotherapy</i> , 2009 , 63, 1050-7	5.1	97
57	Characterisation and evaluation of UK websites on attention deficit hyperactivity disorder. <i>Archives of Disease in Childhood</i> , 2008 , 93, 695-700	2.2	15
56	A review of vancomycin therapeutic drug monitoring recommendations in Scotland. <i>Journal of Antimicrobial Chemotherapy</i> , 2008 , 61, 1398-9	5.1	10
55	Evaluation and comparison of simple multiple model, richer data multiple model, and sequential interacting multiple model (IMM) Bayesian analyses of gentamicin and vancomycin data collected from patients undergoing cardiothoracic surgery. <i>Therapeutic Drug Monitoring</i> , 2008 , 30, 67-74	3.2	38

54	Cyclosporine dose Intensity Is a Critical Determinant of Outcome after a T Cell Depleted Reduced Intensity Allograft.. <i>Blood</i> , 2008 , 112, 1153-1153	2.2	
53	Predictors of new onset diabetes after renal transplantation. <i>Clinical Transplantation</i> , 2007 , 21, 136-43	3.8	75
52	Variability in hydrocortisone plasma and saliva pharmacokinetics following intravenous and oral administration to patients with adrenal insufficiency. <i>Clinical Endocrinology</i> , 2007 , 66, 789-96	3.4	37
51	Population pharmacokinetics of a single daily intramuscular dose of gentamicin in children with severe malnutrition. <i>Journal of Antimicrobial Chemotherapy</i> , 2007 , 59, 681-9	5.1	14
50	Population pharmacokinetic modelling of gentamicin and vancomycin in patients with unstable renal function following cardiothoracic surgery. <i>British Journal of Clinical Pharmacology</i> , 2006 , 61, 164-76	3.8	30
49	Assessment of the validity of a population pharmacokinetic model for epirubicin. <i>British Journal of Clinical Pharmacology</i> , 2006 , 62, 47-55	3.8	10
48	Hepatocellular damage following therapeutic intravenous iron sucrose infusion in a child. <i>Therapeutic Drug Monitoring</i> , 2005 , 27, 405-8	3.2	5
47	Cost-effectiveness of therapeutic drug monitoring: a systematic review. <i>Therapeutic Drug Monitoring</i> , 2005 , 27, 10-7	3.2	145
46	Maximum a posteriori Bayesian estimation of epirubicin clearance by limited sampling. <i>British Journal of Clinical Pharmacology</i> , 2004 , 57, 764-72	3.8	5
45	Models for time-varying covariates in population pharmacokinetic-pharmacodynamic analysis. <i>British Journal of Clinical Pharmacology</i> , 2004 , 58, 367-77	3.8	48
44	A population model of epirubicin pharmacokinetics and application to dosage guidelines. <i>Cancer Chemotherapy and Pharmacology</i> , 2003 , 52, 34-40	3.5	62
43	Population pharmacokinetics of intramuscular gentamicin administered to young infants with suspected severe sepsis in Kenya. <i>British Journal of Clinical Pharmacology</i> , 2003 , 56, 25-31	3.8	16
42	Case report: severe mercuric sulphate poisoning treated with 2,3-dimercaptopropane-1-sulphonate and haemodiafiltration. <i>Critical Care</i> , 2003 , 7, R1-6	10.8	30
41	Individualization of drug dosage--past, present and future 2003 , 26, 150-2		
40	Flucytosine dose requirements in a patient receiving continuous veno-venous haemofiltration. <i>Intensive Care Medicine</i> , 2002 , 28, 999	14.5	7
39	Vancomycin therapeutic drug monitoring: is there a consensus view? The results of a UK National External Quality Assessment Scheme (UK NEQAS) for Antibiotic Assays questionnaire. <i>Journal of Antimicrobial Chemotherapy</i> , 2002 , 50, 713-8	5.1	45
38	Scoring and performance of analysis and interpretation of toxicologic cases assessed by external quality assurance. <i>Therapeutic Drug Monitoring</i> , 2002 , 24, 156-8	3.2	2
37	External quality assessment of laboratory performance in analysis of toxicological cases. <i>Forensic Science International</i> , 2001 , 121, 27-32	2.6	4

36	A survey of extraction techniques for drugs of abuse in urine. <i>Forensic Science International</i> , 2001 , 119, 23-7	2.6	12
35	Pharmacokinetics of meropenem in intensive care unit patients receiving continuous veno-venous hemofiltration or hemodiafiltration. <i>Critical Care Medicine</i> , 2000 , 28, 632-7	1.4	590
34	Pharmacokinetics and dose requirements of vancomycin in neonates. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 1999 , 81, F221-7	4.7	65
33	Population pharmacokinetics in phase I drug development: a phase I study of PK1 in patients with solid tumours. <i>British Journal of Cancer</i> , 1999 , 81, 99-107	8.7	64
32	Population pharmacokinetics of aminoglycoside antibiotics in patients with cystic fibrosis. <i>Therapeutic Drug Monitoring</i> , 1999 , 21, 281-8	3.2	14
31	Phase I clinical and pharmacokinetic study of PK1 [N-(2-hydroxypropyl)methacrylamide copolymer doxorubicin]: first member of a new class of chemotherapeutic agents-drug-polymer conjugates. Cancer Research Campaign Phase I/II Committee. <i>Clinical Cancer Research</i> , 1999 , 5, 83-94	12.9	548
30	Population pharmacokinetics of gentamicin in patients with cancer. <i>British Journal of Clinical Pharmacology</i> , 1998 , 46, 229-36	3.8	33
29	An audit of therapeutic drug monitoring service provision by laboratories participating in an external quality assessment scheme. <i>Therapeutic Drug Monitoring</i> , 1998 , 20, 248-52	3.2	4
28	Methotrexate removal during haemodialysis in a patient with advanced laryngeal carcinoma. <i>Cancer Chemotherapy and Pharmacology</i> , 1996 , 38, 566-70	3.5	20
27	Antimicrobial practice. Development of guidelines for gentamicin dosing. <i>Journal of Antimicrobial Chemotherapy</i> , 1996 , 38, 885-93	5.1	13
26	Population pharmacokinetics of caffeine in neonates and young infants. <i>Therapeutic Drug Monitoring</i> , 1996 , 18, 245-53	3.2	44
25	Evaluation of a Bayesian approach to the pharmacokinetic interpretation of cyclosporin concentrations in renal allograft recipients. <i>Therapeutic Drug Monitoring</i> , 1994 , 16, 160-5	3.2	20
24	Value of theophylline treatment in patients handicapped by chronic obstructive lung disease. <i>Thorax</i> , 1993 , 48, 227-32	7.3	57
23	Pharmacokinetic optimisation of anticonvulsant therapy. <i>Clinical Pharmacokinetics</i> , 1992 , 23, 216-30	6.2	50
22	Bayesian estimation of streptomycin pharmacokinetics. <i>Therapeutic Drug Monitoring</i> , 1992 , 14, 522-4	3.2	2
21	Bayesian feedback methods for optimising therapy. <i>Clinical Neuropharmacology</i> , 1992 , 15 Suppl 1 Pt A, 245A-246A	1.4	
20	Gerontokinetics--a reappraisal. <i>British Journal of Clinical Pharmacology</i> , 1992 , 33, 1-2	3.8	14
19	Bayesian parameter estimation and population pharmacokinetics. <i>Clinical Pharmacokinetics</i> , 1992 , 22, 447-67	6.2	111

18	Gentamicin and vancomycin removal by continuous venovenous hemofiltration. <i>DICP: the Annals of Pharmacotherapy</i> , 1991 , 25, 127-9		8
17	Population pharmacokinetics of rectal theophylline in neonates. <i>Therapeutic Drug Monitoring</i> , 1991 , 13, 195-200	3.2	16
16	Evaluation of six gentamicin nomograms using a bayesian parameter estimation program. <i>Therapeutic Drug Monitoring</i> , 1990 , 12, 258-63	3.2	14
15	The value of therapeutic drug monitoring to the practising physician--an hypothesis needing sensible application. <i>British Journal of Clinical Pharmacology</i> , 1989 , 28, 619-20	3.8	9
14	Lisinopril population pharmacokinetics in elderly and renal disease patients with hypertension. <i>British Journal of Clinical Pharmacology</i> , 1989 , 27, 57-65	3.8	16
13	The effect of food on the absorption of slow-release isosorbide-5-mononitrate tablets. <i>European Journal of Clinical Pharmacology</i> , 1988 , 34, 47-50	2.8	6
12	Evaluation of a new Seralyzer assay for carbamazepine. <i>Therapeutic Drug Monitoring</i> , 1988 , 10, 355-8	3.2	1
11	Population pharmacokinetics of gentamicin in neonates. <i>Developmental Pharmacology and Therapeutics</i> , 1988 , 11, 173-9		38
10	Theophylline toxicity following coadministration of viloxazine. <i>Therapeutic Drug Monitoring</i> , 1988 , 10, 359-60	3.2	1
9	Population pharmacokinetics of lisinopril in hypertensive patients. <i>Gerontology</i> , 1987 , 33 Suppl 1, 17-23	5.5	10
8	Changes in lignocaine disposition during long-term infusion in patients with acute ventricular arrhythmias. <i>Therapeutic Drug Monitoring</i> , 1987 , 9, 283-91	3.2	7
7	A clinically significant interaction between ciprofloxacin and theophylline. <i>European Journal of Clinical Pharmacology</i> , 1987 , 33, 435-6	2.8	34
6	The pharmacokinetics and pharmacodynamics of lignocaine and MEGX in healthy subjects. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 1987 , 15, 101-15		30
5	Disopyramide in acute myocardial infarction: problems with changing pharmacokinetics. <i>European Journal of Clinical Pharmacology</i> , 1986 , 30, 345-7	2.8	4
4	The pharmacokinetics of R- and S-tocainide in patients with acute ventricular arrhythmias. <i>British Journal of Clinical Pharmacology</i> , 1986 , 21, 149-54	3.8	25
3	Evaluation of nonlinear regression with extended least squares: simulation study. <i>Journal of Pharmaceutical Sciences</i> , 1985 , 74, 1327-30	3.9	13
2	Clinical pharmacokinetics: a comprehensive system for therapeutic drug monitoring and prescribing. <i>British Medical Journal</i> , 1984 , 288, 541-5		29
1	Estimation of gentamicin clearance and volume of distribution in neonates and young children. <i>British Journal of Clinical Pharmacology</i> , 1984 , 18, 685-92	3.8	38

