

# Hartmut Derendorf

## 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.

395  
papers

14,612  
citations

62  
h-index

103  
g-index

415  
ext. papers

16,033  
ext. citations

4.6  
avg, IF

6.44  
L-index

#	Paper	IF	Citations
395	Plasma l-indospicine and 3-nitropropionic acid in ponies fed creeping indigo: Comparison with results from an episode of presumptive creeping indigo toxicosis. <i>Equine Veterinary Journal</i> , <b>2022</b> , 54, 145-152	2.4	
394	Basic Principles of Biopharmaceutics and Pharmacokinetics During Spaceflight <b>2022</b> , 135-164		
393	Model-Informed Drug Development for Anti-Infectives: State of the Art and Future. <i>Clinical Pharmacology and Therapeutics</i> , <b>2021</b> , 109, 867-891	6.1	10
392	Tobacco smoke exposure enhances reward sensitivity in male and female rats. <i>Psychopharmacology</i> , <b>2021</b> , 238, 845-855	4.7	1
391	Pharmacokinetics and Determination of Tumor Interstitial Distribution of a Therapeutic Monoclonal Antibody Using Large-Pore Microdialysis. <i>Journal of Pharmaceutical Sciences</i> , <b>2021</b> , 110, 3061-3068 <sup>0</sup>	3.9	1
390	Microdialysis sampling to monitor target-site vancomycin concentrations in septic infants: a feasible way to close the knowledge gap. <i>International Journal of Antimicrobial Agents</i> , <b>2021</b> , 58, 106405 <sup>14.3</sup>	14.3	1
389	Excessive lysosomal ion-trapping of hydroxychloroquine and azithromycin. <i>International Journal of Antimicrobial Agents</i> , <b>2020</b> , 55, 106007	14.3	18
388	PK/PD Approaches <b>2020</b> , 1047-1069		
387	Evaluation of the Effects of <i>Maytenus ilicifolia</i> on the Activities of Cytochrome P450 3A and P-glycoprotein. <i>Current Drug Metabolism</i> , <b>2020</b> , 21, 281-290	3.5	2
386	Calculated initial parenteral treatment of bacterial infections: Pharmacokinetics and pharmacodynamics. <i>GMS Infectious Diseases</i> , <b>2020</b> , 8, Doc17	0.9	3
385	Determination of Dermal Pharmacokinetics by Microdialysis Sampling in Rats. <i>Current Protocols in Pharmacology</i> , <b>2019</b> , 85, e58	4.1	3
384	PK/PD Approaches <b>2019</b> , 1-23		2
383	Towards precision dosing of vancomycin: a systematic evaluation of pharmacometric models for Bayesian forecasting. <i>Clinical Microbiology and Infection</i> , <b>2019</b> , 25, 1286.e1-1286.e7	9.5	50
382	Development and Validation of a Sensitive UFLCMS/MS Method for Quantification of Quercitrin in Plasma: Application to a Tissue Distribution Study. <i>ACS Omega</i> , <b>2019</b> , 4, 3527-3533	3.9	2
381	Drug-Drug Interactions: Progress Over the Past Decade and Looking Ahead to the Future. <i>Clinical Pharmacology and Therapeutics</i> , <b>2019</b> , 105, 1289-1291	6.1	0
380	Impact of Ethnicity-Specific Hepatic Microsomal Scaling Factor, Liver Weight, and Cytochrome P450 (CYP) 1A2 Content on Physiologically Based Prediction of CYP1A2-Mediated Pharmacokinetics in Young and Elderly Chinese Adults. <i>Clinical Pharmacokinetics</i> , <b>2019</b> , 58, 927-941	6.2	12
379	Development of apratoxin S10 (Apra S10) as an anti-pancreatic cancer agent and its preliminary evaluation in an orthotopic patient-derived xenograft (PDX) model. <i>Investigational New Drugs</i> , <b>2019</b> , 37, 364-374	4.3	18

378	Pharmacokinetics of Oxytetracycline in the Giant Danio ( <i>Devario aequipinnatus</i> ) following bath immersion. <i>Aquaculture</i> , <b>2019</b> , 498, 12-16	4.4	8
377	Clinical Pharmacokinetics and Pharmacodynamics of Ceftazidime-Avibactam Combination: A Model-Informed Strategy for its Clinical Development. <i>Clinical Pharmacokinetics</i> , <b>2019</b> , 58, 545-564	6.2	14
376	Medications in Space: In Search of a Pharmacologist's Guide to the Galaxy. <i>Pharmaceutical Research</i> , <b>2019</b> , 36, 148	4.5	21
375	Dose Optimization Based on Pharmacokinetic-Pharmacodynamic Modeling <b>2019</b> , 79-120		3
374	Basic Principles of Biopharmaceutics and Pharmacokinetics During Spaceflight <b>2019</b> , 1-30		
373	Pharmacokinetic and Pharmacodynamic Characterization of Tetrahydrocannabinol-Induced Cannabinoid Dependence After Chronic Passive Cannabis Smoke Exposure in Rats. <i>Cannabis and Cannabinoid Research</i> , <b>2019</b> , 4, 240-254	4.6	7
372	Gastric-acid-mediated drug-drug interactions with direct-acting antiviral medications for hepatitis C virus infection: clinical relevance and mitigation strategies. <i>Drug Discovery Today</i> , <b>2019</b> , 24, 845-857	8.8	4
371	Basic Principles of Biopharmaceutics and Pharmacokinetics During Spaceflight <b>2019</b> , 1-30		
370	Dose optimization of moxifloxacin and linezolid against tuberculosis using mathematical modeling and simulation. <i>International Journal of Antimicrobial Agents</i> , <b>2019</b> , 53, 275-283	14.3	14
369	A model-based analysis of pharmacokinetic-pharmacodynamic (PK/PD) indices of avibactam against <i>Pseudomonas aeruginosa</i> . <i>Clinical Microbiology and Infection</i> , <b>2019</b> , 25, 904.e9-904.e16	9.5	9
368	Core Entrustable Professional Activities in Clinical Pharmacology: Pearls for Clinical Practice: Drug-Drug and Food-Drug Interactions. <i>Journal of Clinical Pharmacology</i> , <b>2018</b> , 58, 704-716	2.9	8
367	Nonlinear Protein Binding: Not What You Think. <i>Journal of Pharmaceutical Sciences</i> , <b>2018</b> , 107, 1754-1769	9	16
366	A mathematical model-based analysis of the time-kill kinetics of ceftazidime/avibactam against <i>Pseudomonas aeruginosa</i> . <i>Journal of Antimicrobial Chemotherapy</i> , <b>2018</b> , 73, 1295-1304	5.1	17
365	A comparison of linezolid lung tissue concentrations among patients with drug-resistant tuberculosis. <i>European Respiratory Journal</i> , <b>2018</b> , 51,	13.6	9
364	Moxifloxacin target site concentrations in patients with pulmonary TB utilizing microdialysis: a clinical pharmacokinetic study. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2018</b> , 73, 477-483	5.1	11
363	Enhanced in vitro activity of tigecycline in the presence of chelating agents. <i>International Journal of Antimicrobial Agents</i> , <b>2018</b> , 51, 799-802	14.3	3
362	Quantitative Estimation of Plasma Free Drug Fraction in Patients With Varying Degrees of Hepatic Impairment: A Methodological Evaluation. <i>Journal of Pharmaceutical Sciences</i> , <b>2018</b> , 107, 1948-1956	3.9	11
361	Dermal pharmacokinetics of pyrazinamide determined by microdialysis sampling in rats. <i>International Journal of Antimicrobial Agents</i> , <b>2018</b> , 51, 190-196	14.3	11

360	Simultaneous quantification of cannabinoids tetrahydrocannabinol, cannabidiol and CB1 receptor antagonist in rat plasma: An application to characterize pharmacokinetics after passive cannabis smoke inhalation and co-administration of rimonabant. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2018</b> , 160, 119-125	3.5	15
359	Quantitative determination of armodafinil in human plasma by liquid chromatography-electrospray mass spectrometry: Application to a clinical study. <i>Biomedical Chromatography</i> , <b>2018</b> , 32, e4342	1.7	2
358	Simultaneous Retrodialysis by Calibrator for Rapid In Vivo Recovery Determination in Target Site Microdialysis. <i>Journal of Pharmaceutical Sciences</i> , <b>2018</b> , 107, 2259-2265	3.9	4
357	Experimental design and modelling approach to evaluate efficacy of $\beta$ -lactam/ $\beta$ -lactamase inhibitor combinations. <i>Clinical Microbiology and Infection</i> , <b>2018</b> , 24, 707-715	9.5	12
356	PK/PD Approaches <b>2018</b> , 1-23		1
355	Prediction of in vivo and in vitro infection model results using a semimechanistic model of avibactam and aztreonam combination against multidrug resistant organisms. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , <b>2017</b> , 6, 197-207	4.5	20
354	Potential of ceftazidime by avibactam against $\beta$ -lactam-resistant <i>Pseudomonas aeruginosa</i> in an in vitro infection model. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2017</b> , 72, 1109-1117	5.1	10
353	A need to revisit clinical breakpoints of tigecycline: effect of atypical non-linear plasma protein binding. <i>International Journal of Antimicrobial Agents</i> , <b>2017</b> , 49, 449-455	14.3	10
352	Lung Tissue Concentrations of Pyrazinamide among Patients with Drug-Resistant Pulmonary Tuberculosis. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2017</b> , 61,	5.9	34
351	Tissue Distribution of a Therapeutic Monoclonal Antibody Determined by Large Pore Microdialysis. <i>Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 106, 2853-2859	3.9	21
350	Drugs in space: Pharmacokinetics and pharmacodynamics in astronauts. <i>European Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 109S, S2-S8	5.1	48
349	Utility of Microdialysis in Infectious Disease Drug Development and Dose Optimization. <i>AAPS Journal</i> , <b>2017</b> , 19, 334-342	3.7	7
348	Pharmacokinetics and pharmacodynamics in antibiotic dose optimization. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , <b>2016</b> , 12, 93-114	5.5	35
347	Pharmacokinetics I: PK-PD Approach, the Case of Antibiotic Drug Development <b>2016</b> , 185-217		7
346	Gentamicin dosing strategy in patients with end-stage renal disease receiving haemodialysis: evaluation using a semi-mechanistic pharmacokinetic/pharmacodynamic model. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2016</b> , 71, 1012-21	5.1	16
345	Ciclesonide: A Pro-Soft Drug Approach for Mitigation of Side Effects of Inhaled Corticosteroids. <i>Journal of Pharmaceutical Sciences</i> , <b>2016</b> , 105, 2509-2514	3.9	11
344	In vitro pharmacokinetics/pharmacodynamics of the combination of avibactam and aztreonam against MDR organisms. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2016</b> , 71, 1866-80	5.1	28
343	Role of Divalent Metal Ions in Atypical Nonlinear Plasma Protein Binding Behavior of Tigecycline. <i>Journal of Pharmaceutical Sciences</i> , <b>2016</b> , 105, 3409-3414	3.9	10

342	Ceftobiprole medocaril (BAL-5788) for the treatment of complicated skin infections. <i>Expert Review of Anti-Infective Therapy</i> , <b>2016</b> , 14, 997-1006	5.5	6
341	Methodologies for Protein Binding Determination in Anti-infective Agents. <i>Methods in Pharmacology and Toxicology</i> , <b>2016</b> , 109-125	1.1	
340	Microdialysis of Large Molecules. <i>Journal of Pharmaceutical Sciences</i> , <b>2016</b> , 105, 3233-3242	3.9	25
339	Pharmacokinetic and pharmacodynamic implications in inhalable antimicrobial therapy. <i>Advanced Drug Delivery Reviews</i> , <b>2015</b> , 85, 57-64	18.5	16
338	Pharmacokinetic evaluation of avicularin using a model-based development approach. <i>Planta Medica</i> , <b>2015</b> , 81, 373-81	3.1	7
337	Cavitary penetration of levofloxacin among patients with multidrug-resistant tuberculosis. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2015</b> , 59, 3149-55	5.9	28
336	Simultaneous Characterization of Intravenous and Oral Pharmacokinetics of Lychnopholide in Rats by Transit Compartment Model. <i>Planta Medica</i> , <b>2015</b> , 81, 1121-7	3.1	7
335	Enzyme- and transporter-mediated beverage-drug interactions: An update on fruit juices and green tea. <i>Journal of Clinical Pharmacology</i> , <b>2015</b> , 55, 1313-31	2.9	27
334	Quantitation of the impact of CYP3A5 A6986G polymorphism on quetiapine pharmacokinetics by simulation of target attainment. <i>Clinical Pharmacology in Drug Development</i> , <b>2015</b> , 4, 387-94	2.3	4
333	Effect of reducing the paediatric stavudine dose by half: a physiologically-based pharmacokinetic model. <i>International Journal of Antimicrobial Agents</i> , <b>2015</b> , 45, 413-9	14.3	8
332	Development and validation of a HPLC-MS/MS method for the determination of phytolaccagenin in rat plasma and application to a pharmacokinetic study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2015</b> , 107, 82-8	3.5	12
331	Concentration-response studies and modelling of the pharmacodynamics of linezolid: Staphylococcus aureus versus Enterococcus faecium. <i>International Journal of Antimicrobial Agents</i> , <b>2015</b> , 45, 54-60	14.3	10
330	Evaluation of in vitro synergy between vertilmicin and ceftazidime against Pseudomonas aeruginosa using a semi-mechanistic pharmacokinetic/pharmacodynamic model. <i>International Journal of Antimicrobial Agents</i> , <b>2015</b> , 45, 151-60	14.3	18
329	Role of microdialysis in pharmacokinetics and pharmacodynamics: current status and future directions. <i>Clinical Pharmacokinetics</i> , <b>2014</b> , 53, 205-212	6.2	43
328	Enhanced penetration of moxifloxacin into rat prostate tissue evidenced by microdialysis. <i>International Journal of Antimicrobial Agents</i> , <b>2014</b> , 44, 327-33	14.3	5
327	Largazole pharmacokinetics in rats by LC-MS/MS. <i>Marine Drugs</i> , <b>2014</b> , 12, 1623-40	6	14
326	Estimation of intracellular concentration of stavudine triphosphate in HIV-infected children given a reduced dose of 0.5 milligrams per kilogram twice daily. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2014</b> , 58, 1084-91	5.9	7
325	Protein binding of rifapentine and its 25-desacetyl metabolite in patients with pulmonary tuberculosis. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2014</b> , 58, 4904-10	5.9	15

324	Determination of atypical nonlinear plasma-protein-binding behavior of tigecycline using an in vitro microdialysis technique. <i>Journal of Pharmaceutical Sciences</i> , <b>2014</b> , 103, 1013-9	3.9	21
323	Predicting pediatric age-matched weight and body mass index. <i>AAPS Journal</i> , <b>2014</b> , 16, 1372-9	3.7	11
322	Measuring drug distribution in the critically ill patient. <i>Advanced Drug Delivery Reviews</i> , <b>2014</b> , 77, 22-6	18.5	12
321	Pharmacokinetics of para-aminosalicylic acid in HIV-uninfected and HIV-coinfected tuberculosis patients receiving antiretroviral therapy, managed for multidrug-resistant and extensively drug-resistant tuberculosis. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2014</b> , 58, 6242-50	5.9	26
320	Relevance of Liver Failure for Anti-Infective Agents: From Pharmacokinetic Alterations to Dosage Adjustments. <i>Therapeutic Advances in Infectious Disease</i> , <b>2014</b> , 2, 17-42	2.8	15
319	Population pharmacokinetic modeling of the unbound levofloxacin concentrations in rat plasma and prostate tissue measured by microdialysis. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2014</b> , 58, 678-86 <sup>5.9</sup>	5.9	16
318	Pharmacodynamic In Vitro Models to Determine the Effect of Antibiotics <b>2014</b> , 81-112		5
317	Introduction to Pharmacometrics and Quantitative Pharmacology with an Emphasis on Physiologically Based Pharmacokinetics. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , <b>2014</b> , 1-64 <sup>0.5</sup>		4
316	Principles of Applied Pharmacokinetic-Pharmacodynamic Modeling <b>2014</b> , 63-79		8
315	Application of pharmacokinetic/pharmacodynamic modelling and simulation for the prediction of target attainment of ceftobiprole against methicillin-resistant <i>Staphylococcus aureus</i> using minimum inhibitory concentration and time-kill curve based approaches. <i>International Journal of Antimicrobial Agents</i> , <b>2014</b> , 43, 60-7	14.3	15
314	Clinical development of an advanced intranasal delivery system of azelastine hydrochloride and fluticasone propionate. <i>Drugs of Today</i> , <b>2014</b> , 50, 15-31	2.5	14
313	Pharmacometrics in Bacterial Infections. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , <b>2014</b> , 229-258		12
312	Comparison of skin permeability for three diclofenac topical formulations: an in vitro study. <i>Die Pharmazie</i> , <b>2014</b> , 69, 27-31	1.5	8
311	When is protein binding important?. <i>Journal of Pharmaceutical Sciences</i> , <b>2013</b> , 102, 3458-67	3.9	56
310	Pharmacokinetics of modified-release prednisone tablets in healthy subjects and patients with rheumatoid arthritis. <i>Journal of Clinical Pharmacology</i> , <b>2013</b> , 53, 326-33	2.9	20
309	Microdialysis in Antibiotic Research. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , <b>2013</b> , 103-126	0.5	1
308	Grapefruit-medication interactions. <i>Cmaj</i> , <b>2013</b> , 185, 507	3.5	4
307	Sex related differences on valproic acid pharmacokinetics after oral single dose. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , <b>2013</b> , 40, 479-86	2.7	32

306	Influence of CYP3A5 6986A > G and ABCB1 3435C > T Polymorphisms on Adverse Events Associated With Tacrolimus in Jordanian Pediatric Renal Transplant Patients. <i>Clinical Pharmacology in Drug Development</i> , <b>2013</b> , 2, 67-78	2.3	5
305	Pharmacokinetics and pharmacodynamics of ponesimod, a selective S1P1 receptor modulator, in the first-in-human study. <i>British Journal of Clinical Pharmacology</i> , <b>2013</b> , 76, 888-96	3.8	72
304	Electroencephalogram effects of armodafinil: comparison with behavioral alertness. <i>Journal of Clinical Pharmacology</i> , <b>2013</b> , 53, 1058-71	2.9	2
303	Importance of relating efficacy measures to unbound drug concentrations for anti-infective agents. <i>Clinical Microbiology Reviews</i> , <b>2013</b> , 26, 274-88	34	92
302	Population Pharmacokinetics of Methotrexate in Egyptian Children with Lymphoblastic Leukemia. <i>Pharmacology &amp; Pharmacy</i> , <b>2013</b> , 04, 139-145	0.3	4
301	Population pharmacokinetics of steady-state carbamazepine in Egyptian epilepsy patients. <i>Journal of Clinical Pharmacy and Therapeutics</i> , <b>2012</b> , 37, 352-5	2.2	8
300	Bioavailability and disposition of azelastine and fluticasone propionate when delivered by MP29-02, a novel aqueous nasal spray. <i>British Journal of Clinical Pharmacology</i> , <b>2012</b> , 74, 125-33	3.8	25
299	Skin and soft tissue concentrations of tedizolid (formerly torezolid), a novel oxazolidinone, following a single oral dose in healthy volunteers. <i>International Journal of Antimicrobial Agents</i> , <b>2012</b> , 40, 51-4	14.3	46
298	Electroencephalogram-based pharmacodynamic measures: a review. <i>International Journal of Clinical Pharmacology and Therapeutics</i> , <b>2012</b> , 50, 162-84	2	20
297	Applications of Pharmacokinetic/Pharmacodynamic Models for the Development of Antimicrobial Agents <b>2012</b> , 1055-1067		
296	Suppression of ciprofloxacin-induced resistant <i>Pseudomonas aeruginosa</i> in a dynamic kill curve system. <i>International Journal of Antimicrobial Agents</i> , <b>2011</b> , 37, 519-24	14.3	1
295	Clinical pharmacokinetics of meropenem and biapenem in bile and dosing considerations for biliary tract infections based on site-specific pharmacodynamic target attainment. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2011</b> , 55, 5609-15	5.9	14
294	Clinical Microdialysis in Skin and Soft Tissues <b>2011</b> , 313-334		
293	Serum concentrations and clinical effects of atorvastatin in patients taking grapefruit juice daily. <i>British Journal of Clinical Pharmacology</i> , <b>2011</b> , 72, 434-41	3.8	25
292	Pharmacokinetics of cefpodoxime in plasma and subcutaneous fluid following oral administration of cefpodoxime proxetil in male beagle dogs. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , <b>2011</b> , 34, 130-5	1.4	8
291	Repeated pre-exposure to tobacco smoke potentiates subsequent locomotor responses to nicotine and tobacco smoke but not amphetamine in adult rats. <i>Pharmacology Biochemistry and Behavior</i> , <b>2011</b> , 100, 109-18	3.9	14
290	Development and validation of a LC-MS/MS method based on a new 96-well Hybrid-SPE/precipitation technique for quantification of CYP450 substrates/metabolites in rat plasma. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 400, 2371-81	4.4	24
289	HPLC method validation for the quantification of lomustine to study pharmacokinetics of thermosensitive liposome-encapsulated lomustine containing iohexol for CT imaging in C6 glioma rats. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , <b>2011</b> , 36, 61-9	2.7	11

288	PA-824 exhibits time-dependent activity in a murine model of tuberculosis. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2011</b> , 55, 239-45	5.9	61
287	Protein binding: do we ever learn?. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2011</b> , 55, 3067-74	5.9	181
286	Absolute/relative bioavailability and metabolism of dodeca-2E,4E,8Z,10E/Z-tetraenoic acid isobutylamides (tetraenes) after intravenous and oral single doses to rats. <i>Planta Medica</i> , <b>2011</b> , 77, 1794-9	2.1	7
285	Population pharmacokinetic model of human insulin following different routes of administration. <i>Journal of Clinical Pharmacology</i> , <b>2011</b> , 51, 1015-24	2.9	25
284	The effect of critical illness on drug distribution. <i>Current Pharmaceutical Biotechnology</i> , <b>2011</b> , 12, 2030-62.6		26
283	Simulation-based sodium thiosulfate dosing strategies for the treatment of calciphylaxis. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , <b>2011</b> , 6, 1155-9	6.9	26
282	Pharmacometrics in dose finding or dose optimization of anti-retroviral and anti-tubercular drugs. <i>Infectious Disorders - Drug Targets</i> , <b>2011</b> , 11, 157-66	1.1	
281	Resistance and the management of complicated skin and skin structure infections: the role of ceftobiprole. <i>Therapeutics and Clinical Risk Management</i> , <b>2010</b> , 6, 485-95	2.9	7
280	Population pharmacokinetics and pharmacodynamics of inhaled ciclesonide and fluticasone propionate in patients with persistent asthma. <i>Journal of Clinical Pharmacology</i> , <b>2010</b> , 50, 1118-27	2.9	13
279	Pharmacometrics as a discipline is entering the "industrialization" phase: standards, automation, knowledge sharing, and training are critical for future success. <i>Journal of Clinical Pharmacology</i> , <b>2010</b> , 50, 9S-19S	2.9	15
278	Role of drug absorption in the pharmacokinetics of therapeutic interventions for stroke. <i>Annals of the New York Academy of Sciences</i> , <b>2010</b> , 1207, 134-42	6.5	3
277	Underdosing of ertapenem in critically ill patients with pneumonia confirmed by Monte Carlo simulations. <i>International Journal of Antimicrobial Agents</i> , <b>2010</b> , 35, 96-7	14.3	12
276	Class-dependent relevance of tissue distribution in the interpretation of anti-infective pharmacokinetic/pharmacodynamic indices. <i>International Journal of Antimicrobial Agents</i> , <b>2010</b> , 35, 431-8	14.3	47
275	Pharmacokinetic/pharmacodynamic profile of posaconazole. <i>Clinical Pharmacokinetics</i> , <b>2010</b> , 49, 379-96	6.2	102
274	Pharmacokinetics I: PK-PD approaches - antibiotic drug development <b>2010</b> , 143-155		
273	In vitro pharmacodynamic models to determine the effect of antibacterial drugs. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2010</b> , 65, 186-201	5.1	65
272	Comparison of the pharmacokinetic properties of vancomycin, linezolid, tigecyclin, and daptomycin. <i>European Journal of Medical Research</i> , <b>2010</b> , 15, 533-43	4.8	49
271	Tobacco smoke exposure induces nicotine dependence in rats. <i>Psychopharmacology</i> , <b>2010</b> , 208, 143-58	4.7	63

270	Simultaneous HPLC analysis of triamcinolone acetonide and budesonide in microdialysate and rat plasma: application to a pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2010</b> , 878, 2967-73	3.2	12
269	Preadolescent tobacco smoke exposure leads to acute nicotine dependence but does not affect the rewarding effects of nicotine or nicotine withdrawal in adulthood in rats. <i>Pharmacology Biochemistry and Behavior</i> , <b>2010</b> , 95, 401-9	3.9	28
268	Human serum binding and its effect on the pharmacodynamics of the lantibiotic MU1140. <i>European Journal of Pharmaceutical Sciences</i> , <b>2010</b> , 41, 658-64	5.1	17
267	Thromboelastographic and pharmacokinetic profiles of micro- and macro-emulsions of propofol in swine. <i>Biopharmaceutics and Drug Disposition</i> , <b>2010</b> , 31, 269-77	1.7	4
266	Significance of protein binding in pharmacokinetics and pharmacodynamics. <i>Journal of Pharmaceutical Sciences</i> , <b>2010</b> , 99, 1107-22	3.9	222
265	Pharmacokinetic and pharmacodynamic evaluation of the lantibiotic MU1140. <i>Journal of Pharmaceutical Sciences</i> , <b>2010</b> , 99, 2521-8	3.9	41
264	Pharmacokinetic/pharmacodynamic model-based combination therapy approach to target antibiotic resistant populations emerged from ciprofloxacin exposure. <i>Die Pharmazie</i> , <b>2010</b> , 65, 417-20	1.5	6
263	Ciclesonide in the Management of Asthma. <i>Clinical Medicine Therapeutics</i> , <b>2009</b> , 1, CMT.S2133		
262	Pharmacokinetic-pharmacodynamic modeling of the in vitro activities of oxazolidinone antimicrobial agents against methicillin-resistant Staphylococcus aureus. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2009</b> , 53, 5039-45	5.9	22
261	Pharmacokinetics and tissue distribution of dodeca-2E,4E,8E,10E/Z-tetraenoic acid isobutylamides after oral administration in rats. <i>Planta Medica</i> , <b>2009</b> , 75, 1306-13	3.1	16
260	Toxicological and Pharmacokinetic Evaluation of Concomitant Intake of Grapefruit Juice and Simvastatin in Rats after Repeated Treatment over 28 Days. <i>Planta Medica</i> , <b>2009</b> , 75, 1196-202	3.1	7
259	Soft-tissue penetration of ceftobiprole in healthy volunteers determined by in vivo microdialysis. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2009</b> , 53, 2773-6	5.9	29
258	Cortisol suppression as a surrogate marker for inhaled corticosteroid-induced growth retardation in children. <i>European Journal of Pharmaceutical Sciences</i> , <b>2009</b> , 36, 110-21	5.1	5
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