

# Inaki F Troconiz

## List of Publications by Citations

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163  
papers

3,260  
citations

29  
h-index

50  
g-index

181  
ext. papers

3,700  
ext. citations

4.6  
avg, IF

5.19  
L-index

#	Paper	IF	Citations
163	Population pharmacokinetic/pharmacodynamic modelling of the analgesic effects of tramadol in pediatrics. <i>Pharmaceutical Research</i> , <b>2006</b> , 23, 2014-23	4.5	534
162	Semi-mechanistic modelling of the tumour growth inhibitory effects of LY2157299, a new type I receptor TGF-beta kinase antagonist, in mice. <i>European Journal of Cancer</i> , <b>2008</b> , 44, 142-50	7.5	173
161	Methadone: a review of its pharmacokinetic/pharmacodynamic properties. <i>Journal of Pharmacological and Toxicological Methods</i> , <b>1999</b> , 42, 61-6	1.7	124
160	Clinical Pharmacokinetics and Pharmacodynamics of Immune Checkpoint Inhibitors. <i>Clinical Pharmacokinetics</i> , <b>2019</b> , 58, 835-857	6.2	111
159	A review of mixed-effects models of tumor growth and effects of anticancer drug treatment used in population analysis. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , <b>2014</b> , 3, e113	4.5	104
158	Effects of the direct thrombin inhibitor dabigatran on ex vivo coagulation time in orthopaedic surgery patients: a population model analysis. <i>British Journal of Clinical Pharmacology</i> , <b>2006</b> , 62, 527-37	3.8	95
157	Population pharmacokinetic analysis of the new oral thrombin inhibitor dabigatran etexilate (BIBR 1048) in patients undergoing primary elective total hip replacement surgery. <i>Journal of Clinical Pharmacology</i> , <b>2007</b> , 47, 371-82	2.9	73
156	Optimizing oncology therapeutics through quantitative translational and clinical pharmacology: challenges and opportunities. <i>Clinical Pharmacology and Therapeutics</i> , <b>2015</b> , 97, 37-54	6.1	67
155	Intestinal absorption of penclomedine from lipid vehicles in the conscious rat: contribution of emulsification versus digestibility. <i>International Journal of Pharmaceutics</i> , <b>2004</b> , 270, 109-18	6.5	65
154	Population pharmacokinetics of meropenem in critically ill patients undergoing continuous renal replacement therapy. <i>Clinical Pharmacokinetics</i> , <b>2008</b> , 47, 173-80	6.2	48
153	Population pharmacokinetics of piperacillin and tazobactam in critically ill patients undergoing continuous renal replacement therapy: application to pharmacokinetic/pharmacodynamic analysis. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2014</b> , 69, 180-9	5.1	46
152	Pharmacokinetic/pharmacodynamic modeling of the antinociceptive effects of (+)-tramadol in the rat: role of cytochrome P450 2D activity. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2003</b> , 305, 710-8	4.7	40
151	Population pharmacokinetics of ganciclovir after intravenous ganciclovir and oral valganciclovir administration in solid organ transplant patients infected with cytomegalovirus. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2009</b> , 53, 4816-24	5.9	39
150	Gene therapy: a pharmacokinetic/pharmacodynamic modelling overview. <i>Pharmaceutical Research</i> , <b>2010</b> , 27, 1487-97	4.5	37
149	Simultaneous determination of tramadol and its major active metabolite O-demethyltramadol by high-performance liquid chromatography with electrochemical detection. <i>Biomedical Applications</i> , <b>1999</b> , 724, 83-9		36
148	Tramadol and o-desmethyl tramadol clearance maturation and disposition in humans: a pooled pharmacokinetic study. <i>Clinical Pharmacokinetics</i> , <b>2015</b> , 54, 167-78	6.2	35
147	Review on modeling anti-antibody responses to monoclonal antibodies. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , <b>2014</b> , 41, 523-36	2.7	35

146	Phase I dose-finding study and a pharmacokinetic/pharmacodynamic analysis of the neutropenic response of intravenous diflomotecan in patients with advanced malignant tumours. <i>Cancer Chemotherapy and Pharmacology</i> , <b>2006</b> , 57, 727-35	3.5	35
145	Pharmacokinetic-Pharmacodynamic Modelling of the antipyretic effect of two oral formulations of ibuprofen. <i>Clinical Pharmacokinetics</i> , <b>2000</b> , 38, 505-18	6.2	35
144	Pharmacometrics Markup Language (PharmML): Opening New Perspectives for Model Exchange in Drug Development. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , <b>2015</b> , 4, 316-9	4.5	34
143	Application of different methods to formulate PEG-liposomes of oxaliplatin: evaluation in vitro and in vivo. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2012</b> , 81, 273-80	5.7	34
142	Pharmacokinetics and population pharmacodynamic analysis of lanreotide Autogel. <i>Metabolism: Clinical and Experimental</i> , <b>2005</b> , 54, 1276-81	12.7	33
141	Modeling of the sedative and airway obstruction effects of propofol in patients with Parkinson disease undergoing stereotactic surgery. <i>Anesthesiology</i> , <b>2002</b> , 97, 1378-86	4.3	33
140	Can pentylenetetrazole and maximal electroshock rodent seizure models quantitatively predict antiepileptic efficacy in humans?. <i>Seizure: the Journal of the British Epilepsy Association</i> , <b>2015</b> , 24, 21-7	3.2	31
139	Modeling the effect of propofol and remifentanil combinations for sedation-analgesia in endoscopic procedures using an Adaptive Neuro Fuzzy Inference System (ANFIS). <i>Anesthesia and Analgesia</i> , <b>2011</b> , 112, 331-9	3.9	30
138	Modelling overdispersion and Markovian features in count data. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , <b>2009</b> , 36, 461-77	2.7	29
137	A different kinetic profile of ochratoxin A in mature male rats. <i>Food and Chemical Toxicology</i> , <b>2009</b> , 47, 1921-7	4.7	29
136	The influence of age on the dynamic relationship between end-tidal sevoflurane concentrations and bispectral index. <i>Anesthesia and Analgesia</i> , <b>2008</b> , 107, 1566-72	3.9	29
135	Comparative pharmacokinetics, tissue distributions, and effects on renal function of novel polymeric formulations of amphotericin B and amphotericin B-deoxycholate in rats. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2000</b> , 44, 898-904	5.9	26
134	Kidney and liver distribution of ochratoxin A in male and female F344 rats. <i>Food and Chemical Toxicology</i> , <b>2011</b> , 49, 1935-42	4.7	25
133	Intrahepatic injection of recombinant adeno-associated virus serotype 2 overcomes gender-related differences in liver transduction. <i>Human Gene Therapy</i> , <b>2006</b> , 17, 601-10	4.8	25
132	Effect of Dexmedetomidine and Propofol on Basal Ganglia Activity in Parkinson Disease: A Controlled Clinical Trial. <i>Anesthesiology</i> , <b>2017</b> , 126, 1033-1042	4.3	24
131	Bringing Model-Based Prediction to Oncology Clinical Practice: A Review of Pharmacometrics Principles and Applications. <i>Oncologist</i> , <b>2016</b> , 21, 220-32	5.7	24
130	Pharmacological profiles of acute myeloid leukemia treatments in patient samples by automated flow cytometry: a bridge to individualized medicine. <i>Clinical Lymphoma, Myeloma and Leukemia</i> , <b>2014</b> , 14, 305-18	2	24
129	Pharmacokinetic/pharmacodynamic model of the testosterone effects of triptorelin administered in sustained release formulations in patients with prostate cancer. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2012</b> , 342, 788-98	4.7	24

128	Population pharmacodynamic modeling of levodopa in patients with Parkinson's disease receiving entacapone. <i>Clinical Pharmacology and Therapeutics</i> , <b>1998</b> , 64, 106-16	6.1	24
127	A population pharmacodynamic model for lactate dehydrogenase and neuron specific enolase to predict tumor progression in small cell lung cancer patients. <i>AAPS Journal</i> , <b>2014</b> , 16, 609-19	3.7	23
126	Pharmacokinetic-pharmacodynamic modelling in anaesthesia. <i>British Journal of Clinical Pharmacology</i> , <b>2015</b> , 79, 72-84	3.8	22
125	Mathematical model approach to describe tumour response in mice after vaccine administration and its applicability to immune-stimulatory cytokine-based strategies. <i>AAPS Journal</i> , <b>2013</b> , 15, 797-807	3.7	22
124	Population pharmacokinetic analysis of tacrolimus in Mexican paediatric renal transplant patients: role of CYP3A5 genotype and formulation. <i>British Journal of Clinical Pharmacology</i> , <b>2015</b> , 80, 630-41	3.8	22
123	Testosterone and estradiol modulate TNF-alpha-induced expression of adhesion molecules in endothelial cells. <i>Methods and Findings in Experimental and Clinical Pharmacology</i> , <b>2002</b> , 24, 125-30		21
122	Performance in population models for count data, part I: maximum likelihood approximations. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , <b>2009</b> , 36, 353-66	2.7	20
121	Population pharmacokinetic analysis of lanreotide Autogel in healthy subjects : evidence for injection interval of up to 2 months. <i>Clinical Pharmacokinetics</i> , <b>2009</b> , 48, 51-62	6.2	20
120	Prediction of neutropenia-related effects of a new combination therapy with the anticancer drugs BI 2536 (a Plk1 inhibitor) and pemetrexed. <i>Clinical Pharmacology and Therapeutics</i> , <b>2010</b> , 88, 660-7	6.1	19
119	Modeling the influence of the A118G polymorphism in the OPRM1 gene and of noxious stimulation on the synergistic relation between propofol and remifentanyl: sedation and analgesia in endoscopic procedures. <i>Anesthesiology</i> , <b>2013</b> , 118, 1395-407	4.3	18
118	Population pharmacokinetics of prophylactic cefoxitin in patients undergoing colorectal surgery. <i>European Journal of Clinical Pharmacology</i> , <b>2012</b> , 68, 735-45	2.8	18
117	Predictive ability of a semi-mechanistic model for neutropenia in the development of novel anti-cancer agents: two case studies. <i>Investigational New Drugs</i> , <b>2011</b> , 29, 984-95	4.3	18
116	Semi-mechanistic population pharmacokinetic/pharmacodynamic model for neutropenia following therapy with the Plk-1 inhibitor BI 2536 and its application in clinical development. <i>Cancer Chemotherapy and Pharmacology</i> , <b>2010</b> , 66, 785-95	3.5	18
115	Pharmacokinetic-pharmacodynamic modeling of the influence of chronic phenytoin therapy on the rocuronium bromide response in patients undergoing brain surgery. <i>European Journal of Clinical Pharmacology</i> , <b>2008</b> , 64, 795-806	2.8	18
114	Modeling tumor response after combined administration of different immune-stimulatory agents. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2013</b> , 346, 432-42	4.7	17
113	Effects of fasting and gender on ochratoxin A toxicokinetics in F344 rats. <i>Food and Chemical Toxicology</i> , <b>2010</b> , 48, 3159-66	4.7	17
112	EGF-liposomes promote efficient EGFR targeting in xenograft colocal carcinoma model. <i>Nanomedicine</i> , <b>2016</b> , 11, 465-77	5.6	16
111	A systems pharmacology model for inflammatory bowel disease. <i>PLoS ONE</i> , <b>2018</b> , 13, e0192949	3.7	16

110	Semimechanistic cell-cycle type-based pharmacokinetic/pharmacodynamic model of chemotherapy-induced neutropenic effects of diflomotecan under different dosing schedules. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2015</b> , 354, 55-64	4.7	16
109	Population pharmacokinetic/pharmacodynamic modeling of drug-induced adverse effects of a novel homocamptothecin analog, elomotecan (BN80927), in a Phase I dose finding study in patients with advanced solid tumors. <i>Cancer Chemotherapy and Pharmacology</i> , <b>2012</b> , 70, 239-50	3.5	16
108	Incorporating physiological and biochemical mechanisms into pharmacokinetic-pharmacodynamic models: a conceptual framework. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2010</b> , 106, 2-12	3.1	16
107	Dual activity of PD-L1 targeted Doxorubicin immunoliposomes promoted an enhanced efficacy of the antitumor immune response in melanoma murine model. <i>Journal of Nanobiotechnology</i> , <b>2021</b> , 19, 102	9.4	15
106	Modeling Respiratory Depression Induced by Remifentanyl and Propofol during Sedation and Analgesia Using a Continuous Noninvasive Measurement of pCO <sub>2</sub> . <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2016</b> , 356, 563-73	4.7	14
105	Tadalafil population pharmacokinetics in patients with erectile dysfunction. <i>European Journal of Clinical Pharmacology</i> , <b>2007</b> , 63, 583-90	2.8	14
104	Model-Based Reverse Translation Between Veterinary and Human Medicine: The One Health Initiative. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , <b>2018</b> , 7, 65-68	4.5	14
103	Sedation-analgesia with propofol and remifentanyl: concentrations required to avoid gag reflex in upper gastrointestinal endoscopy. <i>Anesthesia and Analgesia</i> , <b>2015</b> , 121, 90-96	3.9	13
102	Semi-mechanistic pharmacodynamic modelling of gene expression and silencing processes. <i>European Journal of Pharmaceutical Sciences</i> , <b>2009</b> , 37, 418-26	5.1	13
101	Modelling the anti-migraine effects of BIBN 4096 BS: a new calcitonin gene-related peptide receptor antagonist. <i>Clinical Pharmacokinetics</i> , <b>2006</b> , 45, 715-28	6.2	13
100	Dealing with time-dependent pharmacokinetics during the early clinical development of a new leukotriene B <sub>4</sub> synthesis inhibitor. <i>Pharmaceutical Research</i> , <b>2006</b> , 23, 1533-42	4.5	13
99	Modelling and simulation in the development and use of anti-cancer agents: an underused tool?. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , <b>2004</b> , 31, 419-40	2.7	13
98	Mechanism-based modeling of the clinical effects of bevacizumab and everolimus on vestibular schwannomas of patients with neurofibromatosis type 2. <i>Cancer Chemotherapy and Pharmacology</i> , <b>2016</b> , 77, 1263-73	3.5	13
97	Establishing the Quantitative Relationship Between Lanreotide Autogel <sup>®</sup> , Chromogranin A, and Progression-Free Survival in Patients with Nonfunctioning Gastroenteropancreatic Neuroendocrine Tumors. <i>AAPS Journal</i> , <b>2016</b> , 18, 703-12	3.7	12
96	Population pharmacokinetic models for cefuroxime and metronidazole used in combination as prophylactic agents in colorectal surgery: Model-based evaluation of standard dosing regimens. <i>International Journal of Antimicrobial Agents</i> , <b>2015</b> , 45, 504-11	14.3	12
95	Pharmacokinetic/pharmacodynamic evaluation of amoxicillin, amoxicillin/clavulanate and ceftriaxone in the treatment of paediatric acute otitis media in Spain. <i>Enfermedades Infecciosas Y Microbiología Clínica</i> , <b>2011</b> , 29, 167-73	0.9	12
94	Population in vitro-in vivo correlation model for pramipexole slow-release oral formulations. <i>Pharmaceutical Research</i> , <b>2010</b> , 27, 340-9	4.5	12
93	Semi-mechanistic pharmacokinetic/pharmacodynamic modelling of the antinociceptive response in the presence of competitive antagonism: the interaction between tramadol and its active metabolite on micro-opioid agonism and monoamine reuptake inhibition, in the rat. <i>Pharmaceutical Research</i> , <b>2008</b> , 25, 1788-97	4.5	12

92	Hematological response of topotecan in tumor-bearing rats: modeling of the time course of different cellular populations. <i>Pharmaceutical Research</i> , <b>2004</b> , 21, 567-73	4.5	12
91	Resistance to atracurium in rats with experimental inflammation: role of protein binding. <i>Acta Anaesthesiologica Scandinavica</i> , <b>1995</b> , 39, 1019-23	1.9	12
90	Towards patient stratification and treatment in the autoimmune disease lupus erythematosus using a systems pharmacology approach. <i>European Journal of Pharmaceutical Sciences</i> , <b>2016</b> , 94, 46-58	5.1	12
89	Advanced Boolean modeling of biological networks applied to systems pharmacology. <i>Bioinformatics</i> , <b>2017</b> , 33, 1040-1048	7.2	10
88	Predicting tumour growth and its impact on survival in gemcitabine-treated patients with advanced pancreatic cancer. <i>European Journal of Pharmaceutical Sciences</i> , <b>2018</b> , 115, 296-303	5.1	10
87	Population-Pharmacokinetic and Covariate Analysis of Lurbinectedin (PM01183), a New RNA Polymerase II Inhibitor, in Pooled Phase I/II Trials in Patients with Cancer. <i>Clinical Pharmacokinetics</i> , <b>2019</b> , 58, 363-374	6.2	10
86	Population pharmacokinetic/pharmacodynamic model for the sedative effects of flibanserin in healthy volunteers. <i>Pharmaceutical Research</i> , <b>2012</b> , 29, 1518-29	4.5	10
85	Obesity does not influence the onset and offset of sevoflurane effect as measured by the hysteresis between sevoflurane concentration and bispectral index. <i>Anesthesia and Analgesia</i> , <b>2011</b> , 113, 70-6	3.9	10
84	Modelling the genesis and treatment of cancer: the potential role of physiologically based pharmacodynamics. <i>European Journal of Cancer</i> , <b>2010</b> , 46, 21-32	7.5	10
83	A pooled analysis of CD4 response to zidovudine and zalcitabine treatment in patients with AIDS and AIDS-related complex. <i>Clinical Pharmacology and Therapeutics</i> , <b>1997</b> , 61, 70-82	6.1	10
82	Population dose-response model for tadalafil in the treatment of male erectile dysfunction. <i>Pharmaceutical Research</i> , <b>2004</b> , 21, 1463-70	4.5	10
81	Population Pharmacokinetics of Volasertib Administered in Patients with Acute Myeloid Leukaemia as a Single Agent or in Combination with Cytarabine. <i>Clinical Pharmacokinetics</i> , <b>2018</b> , 57, 379-392	6.2	10
80	Relation between acute and long-term cognitive decline after surgery: Influence of metabolic syndrome. <i>Brain, Behavior, and Immunity</i> , <b>2015</b> , 50, 203-208	16.6	9
79	Pharmacodynamic modeling of the effects of lanreotide Autogel on growth hormone and insulin-like growth factor 1. <i>Journal of Clinical Pharmacology</i> , <b>2012</b> , 52, 487-98	2.9	9
78	Predicting relapsing-remitting dynamics in multiple sclerosis using discrete distribution models: a population approach. <i>PLoS ONE</i> , <b>2013</b> , 8, e73361	3.7	9
77	Beyond Deterministic Models in Drug Discovery and Development. <i>Trends in Pharmacological Sciences</i> , <b>2020</b> , 41, 882-895	13.2	9
76	A precision medicine test predicts clinical response after idarubicin and cytarabine induction therapy in AML patients. <i>Leukemia Research</i> , <b>2019</b> , 76, 1-10	2.7	9
75	A new immune-nanoplatform for promoting adaptive antitumor immune response. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2019</b> , 17, 13-25	6	9

74	Early Prediction of Disease Progression in Small Cell Lung Cancer: Toward Model-Based Personalized Medicine in Oncology. <i>Cancer Research</i> , <b>2015</b> , 75, 2416-25	10.1	8
73	Biopharmaceutic and pharmacodynamic modeling of the in vitro antiproliferative effect of new controlled delivery systems of cisplatin. <i>European Journal of Pharmaceutical Sciences</i> , <b>2009</b> , 37, 341-50	5.1	8
72	Serum protein binding of lerisetron, a novel specific 5HT3 antagonist, in patients with cancer. <i>Cancer Chemotherapy and Pharmacology</i> , <b>1998</b> , 42, 418-22	3.5	8
71	Correlation between anti-PD-L1 tumor concentrations and tumor-specific and nonspecific biomarkers in a melanoma mouse model. <i>Oncotarget</i> , <b>2016</b> , 7, 76891-76901	3.3	8
70	Characterizing Gemcitabine Effects Administered as Single Agent or Combined with Carboplatin in Mice Pancreatic and Ovarian Cancer Xenografts: A Semimechanistic Pharmacokinetic/Pharmacodynamics Tumor Growth-Response Model. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2017</b> , 360, 445-456	4.7	7
69	Machine Learning Analysis of Individual Tumor Lesions in Four Metastatic Colorectal Cancer Clinical Studies: Linking Tumor Heterogeneity to Overall Survival. <i>AAPS Journal</i> , <b>2020</b> , 22, 58	3.7	7
68	Population pharmacokinetic model of lithium and drug compliance assessment. <i>European Neuropsychopharmacology</i> , <b>2016</b> , 26, 1868-1876	1.2	7
67	Population Pharmacokinetic Analysis of Lanreotide Autogel/Depot in the Treatment of Neuroendocrine Tumors: Pooled Analysis of Four Clinical Trials. <i>Clinical Pharmacokinetics</i> , <b>2016</b> , 55, 461-73	6.2	7
66	Comparison of different semi-mechanistic models for chemotherapy-related neutropenia: application to BI 2536 a Plk-1 inhibitor. <i>Cancer Chemotherapy and Pharmacology</i> , <b>2011</b> , 68, 1517-27	3.5	7
65	Pharmacokinetic-pharmacodynamic modelling of the analgesic effects of lumiracoxib, a selective inhibitor of cyclooxygenase-2, in rats. <i>British Journal of Pharmacology</i> , <b>2010</b> , 159, 176-87	8.6	7
64	Assessing the impact of the addition of dendritic cell vaccination to neoadjuvant chemotherapy in breast cancer patients: A model-based characterization approach. <i>British Journal of Clinical Pharmacology</i> , <b>2019</b> , 85, 1670-1683	3.8	6
63	Systematic Modeling and Design Evaluation of Unperturbed Tumor Dynamics in Xenografts. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2018</b> , 366, 96-104	4.7	6
62	Optimal dynamic control approach in a multi-objective therapeutic scenario: Application to drug delivery in the treatment of prostate cancer. <i>PLoS Computational Biology</i> , <b>2018</b> , 14, e1006087	5	6
61	Comparison of manual versus ambulatory blood pressure measurements with pharmacokinetic-pharmacodynamic modeling of antihypertensive compounds: application to moxonidine. <i>Clinical Pharmacology and Therapeutics</i> , <b>2000</b> , 68, 18-27	6.1	6
60	Tenoxicam pharmacokinetics in rats: a population model. <i>Journal of Pharmaceutical Sciences</i> , <b>1995</b> , 84, 1482-7	3.9	6
59	Model-Informed Dose Selection for Xentuzumab, a Dual Insulin-Like Growth Factor-I/II-Neutralizing Antibody. <i>Clinical Pharmacology and Therapeutics</i> , <b>2020</b> , 107, 597-606	6.1	6
58	Population pharmacokinetic modelling of irosustat in postmenopausal women with oestrogen-receptor positive breast cancer incorporating non-linear red blood cell uptake. <i>Pharmaceutical Research</i> , <b>2015</b> , 32, 1493-504	4.5	5
57	A Quantitative Systems Pharmacology Model for the Key Interleukins Involved in Crohn's Disease. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2020</b> , 372, 299-307	4.7	5

56	Computer simulations for bioequivalence trials: Selection of analyte in BCS class II and IV drugs with first-pass metabolism, two metabolic pathways and intestinal efflux transporter. <i>European Journal of Pharmaceutical Sciences</i> , <b>2018</b> , 117, 193-203	5.1	5
55	The Long Neglected Player: Modeling Tumor Uptake to Guide Optimal Dosing. <i>Clinical Cancer Research</i> , <b>2018</b> , 24, 3236-3238	12.9	5
54	Population pharmacokinetic/pharmacodynamic modelling of the effects of axomadol and its O-demethyl metabolite on pupil diameter and nociception in healthy subjects. <i>British Journal of Clinical Pharmacology</i> , <b>2016</b> , 82, 92-107	3.8	5
53	Population pharmacokinetic modelling of BIBN 4096 BS, the first compound of the new class of calcitonin gene-related peptide receptor antagonists. <i>European Journal of Pharmaceutical Sciences</i> , <b>2004</b> , 22, 287-95	5.1	5
52	Physiologically-Based Pharmacokinetic model for Ciprofloxacin in children with complicated Urinary Tract Infection. <i>European Journal of Pharmaceutical Sciences</i> , <b>2019</b> , 128, 171-179	5.1	5
51	Commentary on Pharmacometrics for Immunotherapy. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , <b>2017</b> , 6, 8-10	4.5	4
50	Semi-physiologic model validation and bioequivalence trials simulation to select the best analyte for acetylsalicylic acid. <i>European Journal of Pharmaceutical Sciences</i> , <b>2015</b> , 74, 86-94	5.1	4
49	Pharmacokinetic Profiles Determine Optimal Combination Treatment Schedules in Computational Models of Drug Resistance. <i>Cancer Research</i> , <b>2020</b> , 80, 3372-3382	10.1	4
48	Semi-mechanistic modelling of the analgesic effect of gabapentin in the formalin-induced rat model of experimental pain. <i>Pharmaceutical Research</i> , <b>2014</b> , 31, 593-606	4.5	4
47	Joint population pharmacokinetic/pharmacodynamic model for the heart rate effects at rest and at the end of exercise for cilobradine. <i>Pharmaceutical Research</i> , <b>2013</b> , 30, 1110-22	4.5	4
46	Feasibility of microdialysis to determine interstitial rocuronium concentration in the muscle tissue of anesthetized neurosurgical patients. <i>Journal of Neurosurgical Anesthesiology</i> , <b>2010</b> , 22, 163-9	3	4
45	Finding the Dose for Ceftolozane-Tazobactam in Critically Ill Children with and without Acute Kidney Injury. <i>Antibiotics</i> , <b>2020</b> , 9,	4.9	4
44	Disease pharmacokinetic-pharmacodynamic modelling in acute intermittent porphyria to support the development of mRNA-based therapies. <i>British Journal of Pharmacology</i> , <b>2020</b> , 177, 3168-3182	8.6	3
43	Target-mediated disposition model describing the dynamics of IL12 and IFN $\gamma$ after administration of a mifepristone-inducible adenoviral vector for IL-12 expression in mice. <i>AAPS Journal</i> , <b>2013</b> , 15, 183-94	4.7	3
42	Semi-mechanistic description of the in-vitro antiproliferative effect of different antitumour agents. <i>Journal of Pharmacy and Pharmacology</i> , <b>2008</b> , 60, 77-82	4.8	3
41	A semi-physiological-based pharmacokinetic/pharmacodynamic model to describe the effects of topotecan on b-lymphocyte lineage cells. <i>Pharmaceutical Research</i> , <b>2010</b> , 27, 431-41	4.5	3
40	The Role of Mathematical Models in Immuno-Oncology: Challenges and Future Perspectives. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	3
39	Colo-Pro: a pilot randomised controlled trial to compare standard bolus-dosed cefuroxime prophylaxis to bolus-continuous infusion-dosed cefuroxime prophylaxis for the prevention of infections after colorectal surgery. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , <b>2019</b> , 38, 257-263	5.3	3



38	Translational Framework Predicting Tumour Response in Gemcitabine-Treated Patients with Advanced Pancreatic and Ovarian Cancer from Xenograft Studies. <i>AAPS Journal</i> , <b>2019</b> , 21, 23	3.7	2
37	Neoadjuvant therapy for locally advanced gastric cancer patients. A population pharmacodynamic modeling. <i>PLoS ONE</i> , <b>2019</b> , 14, e0215970	3.7	2
36	Validation of a semi-physiological model for caffeine in healthy subjects and cirrhotic patients. <i>European Journal of Pharmaceutical Sciences</i> , <b>2015</b> , 73, 57-63	5.1	2
35	Predicting circulating biomarker response and its impact on the survival of advanced melanoma patients treated with adjuvant therapy. <i>Scientific Reports</i> , <b>2020</b> , 10, 7478	4.9	2
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