

Daniel Gonzalez

List of Publications by Citations

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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.

87 papers	1,288 citations	19 h-index	32 g-index
94 ext. papers	1,592 ext. citations	4.5 avg, IF	4.61 L-index

#	Paper	IF	Citations
87	Significance of protein binding in pharmacokinetics and pharmacodynamics. <i>Journal of Pharmaceutical Sciences</i> , 2010 , 99, 1107-22	3.9	222
86	Importance of relating efficacy measures to unbound drug concentrations for anti-infective agents. <i>Clinical Microbiology Reviews</i> , 2013 , 26, 274-88	34	92
85	Pharmacokinetic and Pharmacodynamic Principles of Anti-infective Dosing. <i>Clinical Therapeutics</i> , 2016 , 38, 1930-47	3.5	73
84	Use of opportunistic clinical data and a population pharmacokinetic model to support dosing of clindamycin for premature infants to adolescents. <i>Clinical Pharmacology and Therapeutics</i> , 2014 , 96, 429-37	6.1	56
83	Drug Dosing and Pharmacokinetics in Children With Obesity: A Systematic Review. <i>JAMA Pediatrics</i> , 2015 , 169, 678-85	8.3	53
82	Exposure Matching for Extrapolation of Efficacy in Pediatric Drug Development. <i>Journal of Clinical Pharmacology</i> , 2016 , 56, 1326-1334	2.9	42
81	Precision Dosing: Public Health Need, Proposed Framework, and Anticipated Impact. <i>Clinical and Translational Science</i> , 2017 , 10, 443-454	4.9	34
80	Fluconazole population pharmacokinetics and dosing for prevention and treatment of invasive Candidiasis in children supported with extracorporeal membrane oxygenation. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 3935-43	5.9	30
79	Development of a Pediatric Physiologically-Based Pharmacokinetic Model of Clindamycin Using Opportunistic Pharmacokinetic Data. <i>Clinical Pharmacokinetics</i> , 2017 , 56, 1343-1353	6.2	26
78	The effect of critical illness on drug distribution. <i>Current Pharmaceutical Biotechnology</i> , 2011 , 12, 2030-62.6		26
77	Therapeutic Index Estimation of Antiepileptic Drugs: A Systematic Literature Review Approach. <i>Clinical Neuropharmacology</i> , 2016 , 39, 232-40	1.4	26
76	Dalbavancin Pharmacokinetics and Safety in Children 3 Months to 11 Years of Age. <i>Pediatric Infectious Disease Journal</i> , 2017 , 36, 645-653	3.4	25
75	Clinical Pharmacology Studies in Critically Ill Children. <i>Pharmaceutical Research</i> , 2017 , 34, 7-24	4.5	25
74	Clindamycin Pharmacokinetics and Safety in Preterm and Term Infants. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 2888-94	5.9	24
73	Pharmacokinetics of Clindamycin in Obese and Nonobese Children. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	22
72	Simulated Assessment of Pharmacokinetically Guided Dosing for Investigational Treatments of Pediatric Patients With Coronavirus Disease 2019. <i>JAMA Pediatrics</i> , 2020 , 174, e202422	8.3	22
71	Simultaneous determination of trimethoprim and sulfamethoxazole in dried plasma and urine spots. <i>Bioanalysis</i> , 2015 , 7, 1137-49	2.1	21

70	Pediatric Drug-Drug Interaction Studies: Barriers and Opportunities. <i>Clinical Pharmacology and Therapeutics</i> , 2019 , 105, 1067-1070	6.1	21
69	Pharmacokinetics and Dosing of Levofloxacin in Children Treated for Active or Latent Multidrug-resistant Tuberculosis, Federated States of Micronesia and Republic of the Marshall Islands. <i>Pediatric Infectious Disease Journal</i> , 2016 , 35, 414-21	3.4	20
68	Feasibility of a breath test for monitoring adherence to vaginal administration of antiretroviral microbicide gels. <i>Journal of Clinical Pharmacology</i> , 2013 , 53, 103-11	2.9	19
67	Population pharmacokinetics of sildenafil in extremely premature infants. <i>British Journal of Clinical Pharmacology</i> , 2019 , 85, 2824-2837	3.8	15
66	Lessons learned in pediatric clinical research to evaluate safe and effective use of drugs in pregnancy. <i>Obstetrics and Gynecology</i> , 2015 , 125, 953-958	4.9	15
65	Relevance of Liver Failure for Anti-Infective Agents: From Pharmacokinetic Alterations to Dosage Adjustments. <i>Therapeutic Advances in Infectious Disease</i> , 2014 , 2, 17-42	2.8	15
64	Changes of parvalbumin immunoreactive neurons and GFAP immunoreactive astrocytes in the rat lateral geniculate nucleus following monocular enucleation. <i>Neuroscience Letters</i> , 2006 , 395, 149-54	3.3	15
63	Improving Pediatric Protein Binding Estimates: An Evaluation of α -Acid Glycoprotein Maturation in Healthy and Infected Subjects. <i>Clinical Pharmacokinetics</i> , 2018 , 57, 577-589	6.2	15
62	Hydroxychloroquine in Patients with Rheumatic Disease Complicated by COVID-19: Clarifying Target Exposures and the Need for Clinical Trials. <i>Journal of Rheumatology</i> , 2020 ,	4.1	14
61	Genome-Wide Association Approach Identified Novel Genetic Predictors of Heart Rate Response to β -Blockers. <i>Journal of the American Heart Association</i> , 2018 , 7,	6	14
60	Population Pharmacokinetics of Trimethoprim-Sulfamethoxazole in Infants and Children. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	14
59	Pharmacokinetics and safety of recently approved drugs used to treat methicillin-resistant <i>Staphylococcus aureus</i> infections in infants, children and adults. <i>Expert Review of Clinical Pharmacology</i> , 2014 , 7, 327-40	3.8	14
58	Pharmacologic studies in vulnerable populations: Using the pediatric experience. <i>Seminars in Perinatology</i> , 2015 , 39, 532-6	3.3	13
57	Precision Dosing Priority Criteria: Drug, Disease, and Patient Population Variables. <i>Frontiers in Pharmacology</i> , 2020 , 11, 420	5.6	13
56	Solithromycin Pharmacokinetics in Plasma and Dried Blood Spots and Safety in Adolescents. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 2572-6	5.9	13
55	The Population Pharmacokinetics of High-Dose Methotrexate in Infants with Acute Lymphoblastic Leukemia Highlight the Need for Bedside Individualized Dose Adjustment: A Report from the Children's Oncology Group. <i>Clinical Pharmacokinetics</i> , 2019 , 58, 899-910	6.2	13
54	Physiologically-Based Pharmacokinetic Modeling Characterizes the CYP3A-Mediated Drug-Drug Interaction Between Fluconazole and Sildenafil in Infants. <i>Clinical Pharmacology and Therapeutics</i> , 2021 , 109, 253-262	6.1	12
53	Oral adherence monitoring using a breath test to supplement highly active antiretroviral therapy. <i>AIDS and Behavior</i> , 2013 , 17, 298-306	4.3	10

52	Association between Nephrotoxic Drug Combinations and Acute Kidney Injury in the Neonatal Intensive Care Unit. <i>Journal of Pediatrics</i> , 2021 , 228, 213-219	3.6	10
51	Development of an Adult Physiologically Based Pharmacokinetic Model of Solithromycin in Plasma and Epithelial Lining Fluid. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2017 , 6, 814-822	4.5	9
50	Physiologically-Based Pharmacokinetic Modeling of Fluconazole Using Plasma and Cerebrospinal Fluid Samples From Preterm and Term Infants. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2019 , 8, 500-510	4.5	9
49	Population Pharmacokinetics of Intramuscular and Intravenous Ketamine in Children. <i>Journal of Clinical Pharmacology</i> , 2018 , 58, 1092-1104	2.9	9
48	Use of Therapeutic Drug Monitoring, Electronic Health Record Data, and Pharmacokinetic Modeling to Determine the Therapeutic Index of Phenytoin and Lamotrigine. <i>Therapeutic Drug Monitoring</i> , 2016 , 38, 728-737	3.2	8
47	Thromboprophylaxis with fondaparinux in high-risk postoperative patients with renal insufficiency. <i>Thrombosis Research</i> , 2014 , 133, 629-33	8.2	8
46	External Evaluation of Two Fluconazole Infant Population Pharmacokinetic Models. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	8
45	Methodological and Ethical Issues in Pediatric Medication Safety Research. <i>Pediatrics</i> , 2017 , 140,	7.4	8
44	Use of Population Pharmacokinetics and Electronic Health Records to Assess Piperacillin-Tazobactam Safety in Infants. <i>Pediatric Infectious Disease Journal</i> , 2017 , 36, 855-859	3.4	7
43	Assessing CYP2C19 Ontogeny in Neonates and Infants Using Physiologically Based Pharmacokinetic Models: Impact of Enzyme Maturation Versus Inhibition. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2019 , 8, 158-166	4.5	7
42	Population Pharmacokinetics of Morphine in Patients With Nonalcoholic Steatohepatitis (NASH) and Healthy Adults. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2017 , 6, 331-339	4.5	6
41	Population Pharmacokinetics/Pharmacodynamics of 3,4-Diaminopyridine Free Base in Patients With Lambert-Eaton Myasthenia. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2017 , 6, 625-634	4.5	6
40	Population Pharmacokinetics and Exploratory Pharmacodynamics of Lorazepam in Pediatric Status Epilepticus. <i>Clinical Pharmacokinetics</i> , 2017 , 56, 941-951	6.2	6
39	Rivaroxaban Precision Dosing Strategy for Real-World Atrial Fibrillation Patients. <i>Clinical and Translational Science</i> , 2020 , 13, 777-784	4.9	6
38	β-Adrenergic Receptor Gene Affects the Heart Rate Response of β-Blockers: Evidence From 3 Clinical Studies. <i>Journal of Clinical Pharmacology</i> , 2019 , 59, 1462-1470	2.9	5
37	Therapeutic Drug Monitoring, Electronic Health Records, and Pharmacokinetic Modeling to Evaluate Sirolimus Drug Exposure-Response Relationships in Renal Transplant Patients. <i>Therapeutic Drug Monitoring</i> , 2016 , 38, 600-6	3.2	5
36	Vancomycin cerebrospinal fluid pharmacokinetics in children with cerebral ventricular shunt infections. <i>Pediatric Infectious Disease Journal</i> , 2014 , 33, e270-2	3.4	5
35	Translational Approach to Predicting the Efficacy of Maraviroc-Based Regimens as HIV Preexposure Prophylaxis. <i>Antimicrobial Agents and Chemotherapy</i> , 2020 , 64,	5.9	5

34	Clinical pharmacology considerations for children supported with ventricular assist devices. <i>Cardiology in the Young</i> , 2018 , 28, 1082-1090	1	4
33	A novel breath test to directly measure use of vaginal gel and condoms. <i>AIDS and Behavior</i> , 2013 , 17, 2211-21	4.3	4
32	Development and Evaluation of a Virtual Population of Children with Obesity for Physiologically Based Pharmacokinetic Modeling. <i>Clinical Pharmacokinetics</i> , 2021 , 1	6.2	4
31	Evaluation of Gentamicin Exposure in the Neonatal Intensive Care Unit and Hearing Function at Discharge. <i>Journal of Pediatrics</i> , 2018 , 203, 131-136	3.6	4
30	External Evaluation of a Gentamicin Infant Population Pharmacokinetic Model Using Data from a National Electronic Health Record Database. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	4
29	Association between oral sildenafil dosing, predicted exposure, and systemic hypotension in hospitalised infants. <i>Cardiology in the Young</i> , 2018 , 28, 85-92	1	3
28	Advances in Pediatric Pharmacology, Therapeutics, and Toxicology. <i>Advances in Pediatrics</i> , 2016 , 63, 227-54	5.4	3
27	Population Pharmacokinetics and Safety of Solithromycin following Intravenous and Oral Administration in Infants, Children, and Adolescents. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	3
26	Population Pharmacokinetics of Milrinone in Infants, Children, and Adolescents. <i>Journal of Clinical Pharmacology</i> , 2019 , 59, 1606-1619	2.9	3
25	Population Pharmacokinetic/Pharmacodynamic Modeling of Methylprednisolone in Neonates Undergoing Cardiopulmonary Bypass. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2019 , 8, 913-922	4.5	3
24	Metronidazole Metabolism in Neonates and the Interplay Between Ontogeny and Genetic Variation. <i>Journal of Clinical Pharmacology</i> , 2017 , 57, 230-234	2.9	3
23	Role of drug absorption in the pharmacokinetics of therapeutic interventions for stroke. <i>Annals of the New York Academy of Sciences</i> , 2010 , 1207, 134-42	6.5	3
22	Pediatric Drug-Drug Interaction Evaluation: Drug, Patient Population, and Methodological Considerations. <i>Journal of Clinical Pharmacology</i> , 2021 , 61 Suppl 1, S175-S187	2.9	3
21	Creatinine-Based Renal Function Assessment in Pediatric Drug Development: An Analysis Using Clinical Data for Renally Eliminated Drugs. <i>Clinical Pharmacology and Therapeutics</i> , 2021 , 109, 263-269	6.1	3
20	Safety of sildenafil in extremely premature infants: a phase I trial. <i>Journal of Perinatology</i> , 2021 ,	3.1	2
19	External Evaluation of Two Pediatric Population Pharmacokinetics Models of Oral Trimethoprim and Sulfamethoxazole. <i>Antimicrobial Agents and Chemotherapy</i> , 2021 , 65, e0214920	5.9	2
18	Exposure Matching of Pediatric Anti-infective Drugs: Review of Drugs Submitted to the Food and Drug Administration for Pediatric Approval. <i>Clinical Therapeutics</i> , 2016 , 38, 1995-2005	3.5	2
17	Supporting Precision Dosing in Drug Labeling. <i>Clinical Pharmacology and Therapeutics</i> , 2021 , 109, 37-41	6.1	2

16	Challenges and Solutions for Future Pharmacy Practice in the Era of Precision Medicine. <i>American Journal of Pharmaceutical Education</i> , 2018 , 82, 6652	2.5	2
15	Population Pharmacokinetics and Exploratory Exposure-Response Relationships of Diazepam in Children Treated for Status Epilepticus. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2018 , 7, 718-727	4.5	2
14	Characterizing Pharmacokinetics in Children With Obesity-Physiological, Drug, Patient, and Methodological Considerations.. <i>Frontiers in Pharmacology</i> , 2022 , 13, 818726	5.6	2
13	Pharmacokinetics of Ceftaroline in a Preterm Infant With Methicillin-Resistant Staphylococcus Aureus Pneumonia. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2018 , 7, 342-345	4.8	1
12	Dr. Balevic, reply. <i>Journal of Rheumatology</i> , 2020 , 47, 1587	4.1	1
11	Population Pharmacokinetics of Metoclopramide in Infants, Children, and Adolescents. <i>Clinical and Translational Science</i> , 2020 , 13, 1189-1198	4.9	1
10	Advances in pediatric pharmacology, therapeutics, and toxicology. <i>Advances in Pediatrics</i> , 2014 , 61, 7-31	2.2	1
9	Physiologically-Based Pharmacokinetic Modeling of Oxcarbazepine and Levetiracetam During Adjunctive Antiepileptic Therapy in Children and Adolescents. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2021 ,	4.5	1
8	Physiologically Based Pharmacokinetic Modeling of Meropenem in Preterm and Term Infants. <i>Clinical Pharmacokinetics</i> , 2021 , 60, 1591-1604	6.2	1
7	Leveraging Physiologically Based Pharmacokinetic Modeling and Experimental Data to Guide Dosing Modification of CYP3A-Mediated Drug-Drug Interactions in the Pediatric Population. <i>Drug Metabolism and Disposition</i> , 2021 , 49, 844-855	4	1
6	A Dried Blood Spot Analysis for Solithromycin in Adolescents, Children, and Infants: A Short Communication. <i>Therapeutic Drug Monitoring</i> , 2019 , 41, 761-765	3.2	1
5	Unilateral ibotenic acid lesions of the prefrontal cortex reduce rotational behavior in 6-hydroxydopamine-lesioned rats. <i>Acta Medica Okayama</i> , 2006 , 60, 319-24	0.5	1
4	Pharmacokinetics of perioperative FVIII in adult patients with haemophilia A: An external validation and development of an alternative population pharmacokinetic model. <i>Haemophilia</i> , 2021 , 27, 974-983	3.3	0
3	Ciclesonide in the Management of Asthma. <i>Clinical Medicine Therapeutics</i> , 2009 , 1, CMT.S2133		
2	The relationship between simulated milrinone exposure and hypotension in children. <i>Cardiology in the Young</i> , 2021 , 1-7	1	
1	External Evaluation of Risperidone Population Pharmacokinetic Models Using Opportunistic Pediatric Data.. <i>Frontiers in Pharmacology</i> , 2022 , 13, 817276	5.6	