

Jeffrey S Barrett

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.

44
papers

645
citations

15
h-index

24
g-index

47
ext. papers

768
ext. citations

4.1
avg, IF

3.83
L-index

#	Paper	IF	Citations
44	Pharmacometrics: a multidisciplinary field to facilitate critical thinking in drug development and translational research settings. <i>Journal of Clinical Pharmacology</i> , 2008 , 48, 632-49	2.9	62
43	Safety, dosing, and pharmaceutical quality for studies that evaluate medicinal products (including biological products) in neonates. <i>Pediatric Research</i> , 2017 , 81, 692-711	3.2	59
42	Drug Dosing and Pharmacokinetics in Children With Obesity: A Systematic Review. <i>JAMA Pediatrics</i> , 2015 , 169, 678-85	8.3	53
41	The in silico child: using simulation to guide pediatric drug development and manage pediatric pharmacotherapy. <i>Journal of Clinical Pharmacology</i> , 2009 , 49, 889-904	2.9	53
40	Integration of modeling and simulation into hospital-based decision support systems guiding pediatric pharmacotherapy. <i>BMC Medical Informatics and Decision Making</i> , 2008 , 8, 6	3.6	48
39	Exposure Matching for Extrapolation of Efficacy in Pediatric Drug Development. <i>Journal of Clinical Pharmacology</i> , 2016 , 56, 1326-1334	2.9	42
38	Evaluating performance of a decision support system to improve methotrexate pharmacotherapy in children and young adults with cancer. <i>Therapeutic Drug Monitoring</i> , 2011 , 33, 99-107	3.2	30
37	Population Pharmacokinetic Model of Sublingual Buprenorphine in Neonatal Abstinence Syndrome. <i>Pharmacotherapy</i> , 2015 , 35, 670-80	5.8	29
36	Challenges and Opportunities in the Development of Medical Therapies for Pediatric Populations and the Role of Extrapolation. <i>Clinical Pharmacology and Therapeutics</i> , 2018 , 103, 419-433	6.1	22
35	Application and impact of population pharmacokinetics in the assessment of antiretroviral pharmacotherapy. <i>Clinical Pharmacokinetics</i> , 2005 , 44, 591-625	6.2	20
34	Model-based drug development applied to oncology. <i>Expert Opinion on Drug Discovery</i> , 2007 , 2, 185-209	6.2	19
33	Paediatric models in motion: requirements for model-based decision support at the bedside. <i>British Journal of Clinical Pharmacology</i> , 2015 , 79, 85-96	3.8	18
32	Adjuvant therapies for HIV-associated neurocognitive disorders. <i>Annals of Clinical and Translational Neurology</i> , 2014 , 1, 938-52	5.3	18
31	Higher Midazolam Clearance in Obese Adolescents Compared with Morbidly Obese Adults. <i>Clinical Pharmacokinetics</i> , 2018 , 57, 601-611	6.2	18
30	Pharmacodynamic Properties of the Low Molecular Weight Heparin, Tinzaparin: Effect of Molecular Weight Distribution on Plasma Tissue Factor Pathway Inhibitor in Healthy Human Subjects. <i>Journal of Clinical Pharmacology</i> , 2003 , 43, 727-734	2.9	16
29	Risk assessment of drug interaction potential and concomitant dosing pattern on targeted toxicities in pediatric cancer patients. <i>AAPS Journal</i> , 2013 , 15, 775-86	3.7	13
28	Pharmacologic rationale for the NK1R antagonist, aprepitant as adjunctive therapy in HIV. <i>Journal of Translational Medicine</i> , 2016 , 14, 148	8.5	13

27	Quantitative Systems Pharmacology Modeling of Acid Sphingomyelinase Deficiency and the Enzyme Replacement Therapy Olipudase Alfa Is an Innovative Tool for Linking Pathophysiology and Pharmacology. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2018 , 7, 442-452	4.5	12
26	Malabsorption blood test: Assessing fat absorption in patients with cystic fibrosis and pancreatic insufficiency. <i>Journal of Clinical Pharmacology</i> , 2015 , 55, 854-65	2.9	12
25	Prescribing habits and caregiver satisfaction with resources for dosing children: rationale for more informative dosing guidance. <i>BMC Pediatrics</i> , 2011 , 11, 25	2.6	11
24	Antiinflammatory effects of aprepitant coadministration with cART regimen containing ritonavir in HIV-infected adults. <i>JCI Insight</i> , 2017 , 2,	9.9	11
23	GCG100649, A Novel Cyclooxygenase-2 Inhibitor, Exhibits a Drug Disposition Profile in Healthy Volunteers Compatible With High Affinity to Carbonic Anhydrase-I/II: Preliminary Dose-Exposure Relationships to Define Clinical Development Strategies. <i>Clinical Pharmacology in Drug Development</i> , 2013 , 2, 379-86	2.3	8
22	A SAS-based solution to evaluate study design efficiency of phase I pediatric oncology trials via discrete event simulation. <i>Computer Methods and Programs in Biomedicine</i> , 2008 , 90, 240-50	6.9	8
21	Pediatric Extrapolation in Type 2 Diabetes: Future Implications of a Workshop. <i>Clinical Pharmacology and Therapeutics</i> , 2020 , 108, 29-39	6.1	7
20	The role of quantitative pharmacology in an academic translational research environment. <i>AAPS Journal</i> , 2008 , 10, 9-14	3.7	5
19	Key performance indicators for the assessment of pediatric pharmacotherapeutic guidance. <i>Journal of Pediatric Pharmacology and Therapeutics</i> , 2008 , 13, 141-55	1.6	5
18	Serum amoxicillin levels in young infants (0-59 days) with sepsis treated with oral amoxicillin. <i>Archives of Disease in Childhood</i> , 2020 , 105, 1208-1214	2.2	4
17	A Pediatric Covariate Function for CYP3A-Mediated Midazolam Clearance Can Scale Clearance of Selected CYP3A Substrates in Children. <i>AAPS Journal</i> , 2019 , 21, 81	3.7	4
16	PET measurement of receptor occupancy as a tool to guide dose selection in neuropharmacology: are we asking the right questions?. <i>Journal of Clinical Psychopharmacology</i> , 2013 , 33, 725-8	1.7	4
15	A Modeling and Simulations Framework to Support Global Regulatory Strategies for Pediatric Drug Development Programs. <i>Therapeutic Innovation and Regulatory Science</i> , 2013 , 47, 550-556	1.2	4
14	Facilitating compound progression of antiretroviral agents via modeling and simulation. <i>Journal of NeuroImmune Pharmacology</i> , 2007 , 2, 58-71	6.9	4
13	Time to Expect More From Pharmacometrics. <i>Clinical Pharmacology and Therapeutics</i> , 2020 , 108, 1129-1131	13.1	2
12	Globalization of quantitative pharmacology: first international symposium of quantitative pharmacology in drug development and regulation. <i>Journal of Clinical Pharmacology</i> , 2008 , 48, 787-92	2.9	2
11	Predicting Clinical Dose-Exposure and Exposure-Response Relationships of Pan-Antiapoptotic BCL-2 Family Inhibitor Obatoclox in MLL Rearranged Infant Leukemias From Preclinical Disease Models and Adult Experience. <i>Blood</i> , 2011 , 118, 2580-2580	2.2	2
10	Status Toward the Implementation of Precision Dosing in Children. <i>Journal of Clinical Pharmacology</i> , 2021 , 61 Suppl 1, S36-S51	2.9	2

9	Real-World Data: An Unrealized Opportunity in Global Health?. <i>Clinical Pharmacology and Therapeutics</i> , 2019 , 106, 57-59	6.1	1
8	Asking More of Our EHR Systems to Improve Outcomes for Pediatric Patients. <i>Frontiers in Pharmacology</i> , 2020 , 11, 253	5.6	1
7	Bioequivalence of Biologics 2006 , 189-208		1
6	Population Pharmacokinetics of Enoxaparin in Children at Risk for Symptomatic Thromboembolism.. <i>Blood</i> , 2009 , 114, 1071-1071	2.2	1
5	Risk assessment of therapeutic agents under consideration to treat COVID-19 in paediatric patients and pregnant women. <i>British Journal of Clinical Pharmacology</i> , 2021 , 87, 3462-3480	3.8	0
4	Perspective on Data-Sharing Requirements for the Necessary Evolution of Drug Development. <i>Journal of Clinical Pharmacology</i> , 2020 , 60, 688-690	2.9	0
3	Model-Informed Pediatric Drug Development: Application of Pharmacometrics to Define the Right Dose for Children. <i>Journal of Clinical Pharmacology</i> , 2021 , 61 Suppl 1, S52-S59	2.9	0
2	Basic Principles of Clinical Pharmacology Relevant to Pharmacoepidemiologic Studies23-37		
1	Model-Independent and Model-Based Methods to Assess Drug-Drug Interactions for Therapeutic Proteins1		