

Saskia N De Wildt

List of Publications by Year in descending order

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Version: 2024-02-01

208
papers

6,825
citations

61945

43
h-index

88593

70
g-index

291
all docs

291
docs citations

291
times ranked

5919
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytochrome P450 3A. <i>Clinical Pharmacokinetics</i> , 1999, 37, 485-505.	1.6	480
2	Glucuronidation in Humans. <i>Clinical Pharmacokinetics</i> , 1999, 36, 439-452.	1.6	346
3	Effect of Intravenous Paracetamol on Postoperative Morphine Requirements in Neonates and Infants Undergoing Major Noncardiac Surgery. <i>JAMA - Journal of the American Medical Association</i> , 2013, 309, 149.	3.8	193
4	Why Has Model-Informed Precision Dosing Not Yet Become Common Clinical Reality? Lessons From the Past and a Roadmap for the Future. <i>Clinical Pharmacology and Therapeutics</i> , 2017, 101, 646-656.	2.3	169
5	Human Ontogeny of Drug Transporters: Review and Recommendations of the Pediatric Transporter Working Group. <i>Clinical Pharmacology and Therapeutics</i> , 2015, 98, 266-287.	2.3	147
6	Impact of gastrointestinal physiology on drug absorption in special populations – An UNGAP review. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 147, 105280.	1.9	142
7	Population pharmacokinetics and metabolism of midazolam in pediatric intensive care patients. <i>Critical Care Medicine</i> , 2003, 31, 1952-1958.	0.4	130
8	Ontogeny of Human Hepatic and Intestinal Transporter Gene Expression during Childhood: Age Matters. <i>Drug Metabolism and Disposition</i> , 2014, 42, 1268-1274.	1.7	124
9	Acute kidney injury is a frequent complication in critically ill neonates receiving extracorporeal membrane oxygenation: a 14-year cohort study. <i>Critical Care</i> , 2013, 17, R151.	2.5	120
10	Optimal sedation in pediatric intensive care patients: a systematic review. <i>Intensive Care Medicine</i> , 2013, 39, 1524-1534.	3.9	117
11	Pharmacokinetics and metabolism of oral midazolam in preterm infants. <i>British Journal of Clinical Pharmacology</i> , 2002, 53, 390-392.	1.1	93
12	Pharmacokinetics and metabolism of intravenous midazolam in preterm infants. <i>Clinical Pharmacology and Therapeutics</i> , 2001, 70, 525-531.	2.3	92
13	Disease-Associated Changes in Drug Transporters May Impact the Pharmacokinetics and/or Toxicity of Drugs: A White Paper From the International Transporter Consortium. <i>Clinical Pharmacology and Therapeutics</i> , 2018, 104, 900-915.	2.3	91
14	Physiologically-based pharmacokinetic models for children: Starting to reach maturation?. , 2020, 211, 107541.		90
15	The status of paediatric medicines initiatives around the world – what has happened and what has not?. <i>European Journal of Clinical Pharmacology</i> , 2012, 68, 1-10.	0.8	85
16	Off-label use of medicines in neonates, infants, children, and adolescents: a joint policy statement by the European Academy of Paediatrics and the European society for Developmental Perinatal and Pediatric Pharmacology. <i>European Journal of Pediatrics</i> , 2020, 179, 839-847.	1.3	84
17	Current challenges and future perspectives in oral absorption research: An opinion of the UNGAP network. <i>Advanced Drug Delivery Reviews</i> , 2021, 171, 289-331.	6.6	84
18	Age and CYP3A5 genotype affect tacrolimus dosing requirements after transplant in pediatric heart recipients. <i>Journal of Heart and Lung Transplantation</i> , 2011, 30, 1352-1359.	0.3	81

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19	Inflammation and Organ Failure Severely Affect Midazolam Clearance in Critically Ill Children. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 58-66.	2.5	81
20	A Systematic Review of the Therapeutic Effects of Reiki. <i>Journal of Alternative and Complementary Medicine</i> , 2009, 15, 1157-1169.	2.1	78
21	Ontogeny of oral drug absorption processes in children. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2012, 8, 1293-1303.	1.5	74
22	Developmental Changes in the Expression and Function of Cytochrome P450 3A Isoforms: Evidence from In Vitro and In Vivo Investigations. <i>Clinical Pharmacokinetics</i> , 2013, 52, 333-345.	1.6	74
23	Developing a paediatric drug formulary for the Netherlands. <i>Archives of Disease in Childhood</i> , 2017, 102, 357-361.	1.0	72
24	Profound changes in drug metabolism enzymes and possible effects on drug therapy in neonates and children. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2011, 7, 935-948.	1.5	70
25	Evidence-Based Morphine Dosing for Postoperative Neonates and Infants. <i>Clinical Pharmacokinetics</i> , 2014, 53, 553-563.	1.6	70
26	A Comprehensive Analysis of Ontogeny of Renal Drug Transporters: mRNA Analyses, Quantitative Proteomics, and Localization. <i>Clinical Pharmacology and Therapeutics</i> , 2019, 106, 1083-1092.	2.3	69
27	Microdosing and Other Phase 0 Clinical Trials: Facilitating Translation in Drug Development. <i>Clinical and Translational Science</i> , 2016, 9, 74-88.	1.5	67
28	The <sc>COMFORT</sc> behaviour scale detects clinically meaningful effects of analgesic and sedative treatment. <i>European Journal of Pain</i> , 2015, 19, 473-479.	1.4	65
29	A randomized controlled trial of daily sedation interruption in critically ill children. <i>Intensive Care Medicine</i> , 2016, 42, 233-244.	3.9	64
30	The interactions of age, genetics, and disease severity on tacrolimus dosing requirements after pediatric kidney and liver transplantation. <i>European Journal of Clinical Pharmacology</i> , 2011, 67, 1231-1241.	0.8	62
31	In vitro gastrointestinal model (TIM) with predictive power, even for infants and children?. <i>International Journal of Pharmaceutics</i> , 2013, 457, 327-332.	2.6	62
32	Pharmacokinetics and Target Attainment of Antibiotics in Critically Ill Children: A Systematic Review of Current Literature. <i>Clinical Pharmacokinetics</i> , 2020, 59, 173-205.	1.6	61
33	Ontogeny of Hepatic Transporters and Drug-Metabolizing Enzymes in Humans and in Nonclinical Species. <i>Pharmacological Reviews</i> , 2021, 73, 597-678.	7.1	60
34	CYP3A4-V Polymorphism Detection by PCR-Restriction Fragment Length Polymorphism Analysis and Its Allelic Frequency among 199 Dutch Caucasians. <i>Clinical Chemistry</i> , 2000, 46, 1834-1836.	1.5	57
35	Tailor-made drug treatment for children. <i>Drug Discovery Today</i> , 2009, 14, 316-320.	3.2	56
36	Pharmacokinetic studies in children: recommendations for practice and research. <i>Archives of Disease in Childhood</i> , 2018, 103, archdischild-2017-314506.	1.0	55

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37	Drug metabolism for the paediatrician. Archives of Disease in Childhood, 2014, 99, 1137-1142.	1.0	53
38	Tacrolimus-induced nephrotoxicity and genetic variability: A review. Annals of Transplantation, 2012, 17, 111-121.	0.5	53
39	Development of Human Membrane Transporters: Drug Disposition and Pharmacogenetics. Clinical Pharmacokinetics, 2016, 55, 507-524.	1.6	52
40	The CYP3A4*3 Allele: Is It Really Rare?. Clinical Chemistry, 2001, 47, 1104-1106.	1.5	50
41	Pharmacology and pharmacogenetics of prednisone and prednisolone in patients with nephrotic syndrome. Pediatric Nephrology, 2019, 34, 389-403.	0.9	50
42	<i>CYP3A4*22</i> and <i>CYP3A</i> combined genotypes both correlate with tacrolimus disposition in pediatric heart transplant recipients. Pharmacogenomics, 2013, 14, 1027-1036.	0.6	49
43	A Population Pharmacokinetic Model to Predict the Individual Starting Dose of Tacrolimus Following Pediatric Renal Transplantation. Clinical Pharmacokinetics, 2018, 57, 475-489.	1.6	48
44	CYP2D6 Polymorphisms and Codeine Analgesia in Postpartum Pain Management: A Pilot Study. Therapeutic Drug Monitoring, 2011, 33, 425-432.	1.0	45
45	Critical Illness Is a Major Determinant of Midazolam Clearance in Children Aged 1 Month to 17 Years. Therapeutic Drug Monitoring, 2012, 34, 381-389.	1.0	43
46	Analgesia and Opioids: A Pharmacogenetics Shortlist for Implementation in Clinical Practice. Clinical Chemistry, 2017, 63, 1204-1213.	1.5	43
47	Pharmacodynamics of Midazolam in Pediatric Intensive Care Patients. Therapeutic Drug Monitoring, 2005, 27, 98-102.	1.0	42
48	The effect of inflammation on drug metabolism: a focus on pediatrics. Drug Discovery Today, 2011, 16, 435-442.	3.2	42
49	A Novel Maturation Function for Clearance of the Cytochrome P450 3A Substrate Midazolam from Preterm Neonates to Adults. Clinical Pharmacokinetics, 2013, 52, 555-565.	1.6	41
50	The use of dipyron (metamizol) as an analgesic in children: What is the evidence? A review. Paediatric Anaesthesia, 2017, 27, 1193-1201.	0.6	41
51	Informed consent for paediatric clinical trials in Europe. Archives of Disease in Childhood, 2016, 101, 1017-1025.	1.0	40
52	Human Intestinal PEPT1 Transporter Expression and Localization in Preterm and Term Infants. Drug Metabolism and Disposition, 2016, 44, 1014-1019.	1.7	40
53	A population pharmacokinetic model for perioperative dosing of factor VIII in hemophilia A patients. Haematologica, 2016, 101, 1159-1169.	1.7	39
54	Feasibility of sedation and analgesia interruption following cannulation in neonates on extracorporeal membrane oxygenation. Intensive Care Medicine, 2010, 36, 1587-1591.	3.9	38

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55	Challenges for drug studies in children: CYP3A phenotyping as example. <i>Drug Discovery Today</i> , 2009, 14, 6-15.	3.2	37
56	Proteomics of human liver membrane transporters: a focus on fetuses and newborn infants. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 124, 217-227.	1.9	36
57	The effect of critical illness and inflammation on midazolam therapy in children*. <i>Pediatric Critical Care Medicine</i> , 2012, 13, e48-e50.	0.2	35
58	Proteomic Analysis of the Developmental Trajectory of Human Hepatic Membrane Transporter Proteins in the First Three Months of Life. <i>Drug Metabolism and Disposition</i> , 2016, 44, 1005-1013.	1.7	35
59	Analgesia-Sedation in PICU and Neurological Outcome. <i>Pediatric Critical Care Medicine</i> , 2014, 15, 189-196.	0.2	34
60	P450 Oxidoreductase *28 (POR*28) and Tacrolimus Disposition in Pediatric Kidney Transplant Recipientsâ€”A Pilot Study. <i>Therapeutic Drug Monitoring</i> , 2014, 36, 152-158.	1.0	34
61	Use of Saliva in Therapeutic Drug Monitoring of Caffeine in Preterm Infants. <i>Therapeutic Drug Monitoring</i> , 2001, 23, 250-254.	1.0	33
62	Pharmacotherapy in Neonatal and Pediatric Extracorporeal Membrane Oxygenation (ECMO). <i>Current Drug Metabolism</i> , 2012, 13, 767-777.	0.7	33
63	CKD and Hypertension during Long-Term Follow-Up in Children and Adolescents Previously Treated with Extracorporeal Membrane Oxygenation. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2014, 9, 2070-2078.	2.2	33
64	Urinary neutrophil gelatinase-associated lipocalin identifies critically ill young children with acute kidney injury following intensive care admission: a prospective cohort study. <i>Critical Care</i> , 2015, 19, 181.	2.5	33
65	Sedation in Critically Ill Children with Respiratory Failure. <i>Frontiers in Pediatrics</i> , 2016, 4, 89.	0.9	31
66	Pediatric Microdose Study of [14C]Paracetamol to Study Drug Metabolism Using Accelerated Mass Spectrometry: Proof of Concept. <i>Clinical Pharmacokinetics</i> , 2014, 53, 1045-1051.	1.6	29
67	Rescue morphine in mechanically ventilated newborns associated with combined <i>OPRM1</i> and <i>COMT</i> genotype. <i>Pharmacogenomics</i> , 2014, 15, 1287-1295.	0.6	29
68	The Ontogeny of UDP-glucuronosyltransferase Enzymes, Recommendations for Future Profiling Studies and Application Through Physiologically Based Pharmacokinetic Modelling. <i>Clinical Pharmacokinetics</i> , 2019, 58, 189-211.	1.6	29
69	Dosing algorithms for initiation of immunosuppressive drugs in solid organ transplant recipients. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2015, 11, 921-936.	1.5	28
70	The Effect of Adult and Pediatric Cardiopulmonary Bypass on Pharmacokinetic and Pharmacodynamic Parameters. <i>Current Clinical Pharmacology</i> , 2013, 8, 297-318.	0.2	28
71	The Effect of Weight and CYP3A5 Genotype on the Population Pharmacokinetics of Tacrolimus in Stable Paediatric Renal Transplant Recipients. <i>Clinical Pharmacokinetics</i> , 2016, 55, 1129-1143.	1.6	27
72	Chloroquine Dosing Recommendations for Pediatric COVIDâ€”19 Supported by Modeling and Simulation. <i>Clinical Pharmacology and Therapeutics</i> , 2020, 108, 248-252.	2.3	27

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73	Benefitâ€Risk Assessment of Offâ€Label Drug Use in Children: The Bravo Framework. <i>Clinical Pharmacology and Therapeutics</i> , 2021, 110, 952-965.	2.3	27
74	Pharmacokinetics, Pharmacodynamics, and Immunogenicity of Infliximab in Pediatric Inflammatory Bowel Disease. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2020, 70, 763-776.	0.9	27
75	Facilitating the implementation of pharmacokineticâ€guided dosing of prophylaxis in haemophilia care by discrete choice experiment. <i>Haemophilia</i> , 2016, 22, e1-e10.	1.0	26
76	Development of a physiologically-based pharmacokinetic pediatric brain model for prediction of cerebrospinal fluid drug concentrations and the influence of meningitis. <i>PLoS Computational Biology</i> , 2019, 15, e1007117.	1.5	26
77	Ontogeny of midazolam glucuronidation in preterm infants. <i>European Journal of Clinical Pharmacology</i> , 2010, 66, 165-170.	0.8	25
78	Clonidine as a First-Line Sedative Agent After Neonatal Cardiac Surgery. <i>Pediatric Critical Care Medicine</i> , 2016, 17, 332-341.	0.2	25
79	Predicting CYP3Aâ€mediated midazolam metabolism in critically ill neonates, infants, children and adults with inflammation and organ failure. <i>British Journal of Clinical Pharmacology</i> , 2018, 84, 358-368.	1.1	25
80	Developmental patterns in human bloodâ€brain barrier and bloodâ€cerebrospinal fluid barrier ABCâ€drug transporter expression. <i>Histochemistry and Cell Biology</i> , 2020, 154, 265-273.	0.8	25
81	The effect of distant reiki on pain in women after elective Caesarean section: a double-blinded randomised controlled trial. <i>BMJ Open</i> , 2011, 1, e000021-e000021.	0.8	24
82	Population pharmacokinetics of intravenous clonidine for sedation during paediatric extracorporeal membrane oxygenation and continuous venovenous hemofiltration. <i>British Journal of Clinical Pharmacology</i> , 2017, 83, 1227-1239.	1.1	24
83	Characterization of Intestinal and Hepatic CYP3A-Mediated Metabolism of Midazolam in Children Using a Physiological Population Pharmacokinetic Modelling Approach. <i>Pharmaceutical Research</i> , 2018, 35, 182.	1.7	24
84	Paediatric Medicines in Europe: The Paediatric Regulationâ€Is It Time for Reform?. <i>Frontiers in Medicine</i> , 2021, 8, 593281.	1.2	24
85	Pediatric microdose and microtracer studies using ¹⁴ C in Europe. <i>Clinical Pharmacology and Therapeutics</i> , 2015, 98, 234-237.	2.3	23
86	Firstâ€Pass CYP3Aâ€Mediated Metabolism of Midazolam in the Gut Wall and Liver in Preterm Neonates. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2018, 7, 374-383.	1.3	23
87	Incorporating Ontogeny in Physiologically Based Pharmacokinetic Modeling to Improve Pediatric Drug Development: What We Know About Developmental Changes in Membrane Transporters. <i>Journal of Clinical Pharmacology</i> , 2019, 59, S56-S69.	1.0	23
88	Acute liver failure after recommended doses of acetaminophen in patients with myopathies. <i>Critical Care Medicine</i> , 2011, 39, 678-682.	0.4	22
89	Evaluation of drug formularies for pediatric intensive care. <i>Pediatric Critical Care Medicine</i> , 2011, 12, e14-e19.	0.2	22
90	Advanced cancer pain: the search for genetic factors correlated with interindividual variability in opioid requirement. <i>Pharmacogenomics</i> , 2017, 18, 1133-1142.	0.6	22

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91	Current knowledge, challenges and innovations in developmental pharmacology: A combined connect4children Expert Group and European Society for Developmental, Perinatal and Paediatric Pharmacology White Paper. <i>British Journal of Clinical Pharmacology</i> , 2022, 88, 4965-4984.	1.1	21
92	Protocolized postoperative pain management in infants; do we stick to it?. <i>European Journal of Pain</i> , 2012, 16, 760-766.	1.4	20
93	Reference intervals for renal injury biomarkers neutrophil gelatinase-associated lipocalin and kidney injury molecule-1 in young infants. <i>Clinical Chemistry and Laboratory Medicine</i> , 2015, 53, 1279-89.	1.4	20
94	Ethics of Drug Research in the Pediatric Intensive Care Unit. <i>Paediatric Drugs</i> , 2015, 17, 43-53.	1.3	20
95	SLC22A1/OCT1 Genotype Affects O-desmethyltramadol Exposure in Newborn Infants. <i>Therapeutic Drug Monitoring</i> , 2016, 38, 487-492.	1.0	20
96	Roles of Clinical Research Networks in Pediatric Drug Development. <i>Clinical Therapeutics</i> , 2017, 39, 1939-1948.	1.1	20
97	Monitoring Haloperidol Plasma Concentration and Associated Adverse Events in Critically Ill Children With Delirium: First Results of a Clinical Protocol Aimed to Monitor Efficacy and Safety. <i>Pediatric Critical Care Medicine</i> , 2018, 19, e112-e119.	0.2	20
98	Ontogeny of Small Intestinal Drug Transporters and Metabolizing Enzymes Based on Targeted Quantitative Proteomics. <i>Drug Metabolism and Disposition</i> , 2021, 49, 1038-1046.	1.7	20
99	Scaling of pharmacokinetics across paediatric populations: the lack of interpolative power of allometric models. <i>British Journal of Clinical Pharmacology</i> , 2012, 74, 525-535.	1.1	19
100	Successful Use of [¹⁴ C]Paracetamol Microdosing to Elucidate Developmental Changes in Drug Metabolism. <i>Clinical Pharmacokinetics</i> , 2017, 56, 1185-1195.	1.6	19
101	Orodispersible minitables of enalapril for use in children with heart failure (LENA): Rationale and protocol for a multicentre pharmacokinetic bridging study and follow-up safety study. <i>Contemporary Clinical Trials Communications</i> , 2019, 15, 100393.	0.5	19
102	Pharmacodynamics of Intravenous and Oral Midazolam in Preterm Infants. <i>Clinical Drug Investigation</i> , 2003, 23, 27-38.	1.1	18
103	The research gap in chronic paediatric pain: A systematic review of randomised controlled trials. <i>European Journal of Pain</i> , 2018, 22, 261-271.	1.4	18
104	CYP3A4-V polymorphism detection by PCR-restriction fragment length polymorphism analysis and its allelic frequency among 199 Dutch Caucasians. <i>Clinical Chemistry</i> , 2000, 46, 1834-6.	1.5	18
105	Maturation of GFR in Term-Born Neonates: An Individual Participant Data Meta-Analysis. <i>Journal of the American Society of Nephrology: JASN</i> , 2022, 33, 1277-1292.	3.0	18
106	The CYP3A4*3 allele: is it really rare?. <i>Clinical Chemistry</i> , 2001, 47, 1104-6.	1.5	17
107	Adverse events of haloperidol for the treatment of delirium in critically ill children. <i>Intensive Care Medicine</i> , 2014, 40, 1602-1603.	3.9	16
108	Genetic variants associated with thermal pain sensitivity in a paediatric population. <i>Pain</i> , 2016, 157, 2476-2482.	2.0	16

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109	Effects of renal denervation on cardiovascular and renal responses to ACE inhibition in conscious lambs. <i>Journal of Applied Physiology</i> , 1997, 83, 414-419.	1.2	15
110	Does minimal access major surgery in the newborn hurt less? An evaluation of cumulative opioid doses. <i>European Journal of Pain</i> , 2011, 15, 615-620.	1.4	15
111	Prevalence of renal dysfunction in tacrolimus-treated pediatric transplant recipients: A systematic review. <i>Pediatric Transplantation</i> , 2013, 17, 205-215.	0.5	15
112	Effect of hypothermia and extracorporeal life support on drug disposition in neonates. <i>Seminars in Fetal and Neonatal Medicine</i> , 2013, 18, 23-27.	1.1	15
113	Combining Brain Microdialysis and Translational Pharmacokinetic Modeling to Predict Drug Concentrations in Pediatric Severe Traumatic Brain Injury: The Next Step Toward Evidence-Based Pharmacotherapy?. <i>Journal of Neurotrauma</i> , 2019, 36, 111-117.	1.7	15
114	Dose-linearity of the pharmacokinetics of an intravenous [¹⁴ C]midazolam microdose in children. <i>British Journal of Clinical Pharmacology</i> , 2019, 85, 2332-2340.	1.1	15
115	Pharmacology of enalapril in children: a review. <i>Drug Discovery Today</i> , 2020, 25, 1957-1970.	3.2	15
116	Information technology cannot guarantee patient safety. <i>BMJ: British Medical Journal</i> , 2007, 334, 851-852.	2.4	14
117	¹³ C-Erythromycin Breath Test as a Noninvasive Measure of CYP3A Activity in Newborn Infants: A Pilot Study. <i>Therapeutic Drug Monitoring</i> , 2007, 29, 225-230.	1.0	14
118	<i>OPRM1</i> and <i>COMT</i> polymorphisms: implications on postoperative acute, chronic and experimental pain after cardiac surgery. <i>Pharmacogenomics</i> , 2020, 21, 181-193.	0.6	14
119	The Oral Bioavailability and Metabolism of Midazolam in Stable Critically Ill Children: A Pharmacokinetic Microtracing Study. <i>Clinical Pharmacology and Therapeutics</i> , 2021, 109, 140-149.	2.3	14
120	Morphine-Induced Muscle Rigidity in a Term Neonate. <i>Annals of Pharmacotherapy</i> , 2009, 43, 1724-1726.	0.9	13
121	Daily interruption of sedation in critically ill children: study protocol for a randomized controlled trial. <i>Trials</i> , 2014, 15, 55.	0.7	13
122	Short-Term Health-Related Quality of Life of Critically Ill Children Following Daily Sedation Interruption*. <i>Pediatric Critical Care Medicine</i> , 2016, 17, e513-e520.	0.2	13
123	Hemodynamic Tolerance to IV Clonidine Infusion in the PICU*. <i>Pediatric Critical Care Medicine</i> , 2018, 19, e409-e416.	0.2	13
124	The potential impact of hematocrit correction on evaluation of tacrolimus target exposure in pediatric kidney transplant patients. <i>Pediatric Nephrology</i> , 2019, 34, 507-515.	0.9	13
125	European research networks to facilitate drug research in children. <i>British Journal of Clinical Pharmacology</i> , 2022, 88, 4258-4266.	1.1	13
126	The conect4children (c4c) Consortium: Potential for Improving European Clinical Research into Medicines for Children. <i>Pharmaceutical Medicine</i> , 2021, 35, 71-79.	1.0	13

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127	Differences in P-glycoprotein activity in human and rodent bloodâ€“brain barrier assessed by mechanistic modelling. <i>Archives of Toxicology</i> , 2021, 95, 3015-3029.	1.9	13
128	Unintended pregnancy during radiotherapy for cancer. <i>Nature Reviews Clinical Oncology</i> , 2009, 6, 175-178.	12.5	12
129	Knowledge of developmental pharmacology and modeling approaches should be used to avoid useless trials in children. <i>European Journal of Clinical Pharmacology</i> , 2009, 65, 849-850.	0.8	12
130	Reference ranges for serum Î²-trace protein in neonates and children younger than 1 year of age. <i>Clinical Chemistry and Laboratory Medicine</i> , 2014, 52, 1815-21.	1.4	12
131	Pharmacokinetics in children with chronic kidney disease. <i>Pediatric Nephrology</i> , 2020, 35, 1153-1172.	0.9	12
132	Physiologically based pharmacokinetic/pharmacodynamic model for the prediction of morphine brain disposition and analgesia in adults and children. <i>PLoS Computational Biology</i> , 2021, 17, e1008786.	1.5	12
133	Authors' reply. <i>Paediatric Anaesthesia</i> , 2008, 18, 273-274.	0.6	11
134	Perspectives of adolescents on decision making about participation in a biobank study: a pilot study. <i>BMJ Paediatrics Open</i> , 2017, 1, e000111.	0.6	11
135	Recently Registered Midazolam Doses for Preterm Neonates Do Not Lead to Equal Exposure: A Population Pharmacokinetic Model. <i>Journal of Clinical Pharmacology</i> , 2019, 59, 1300-1308.	1.0	11
136	Enteral Acetaminophen Bioavailability in Pediatric Intensive Care Patients Determined With an Oral Microtracer and Pharmacokinetic Modeling to Optimize Dosing. <i>Critical Care Medicine</i> , 2019, 47, e975-e983.	0.4	11
137	External Validation of Model-Based Dosing Guidelines for Vancomycin, Gentamicin, and Tobramycin in Critically Ill Neonates and Children: A Pragmatic Two-Center Study. <i>Paediatric Drugs</i> , 2020, 22, 433-444.	1.3	11
138	Application of proteomics to understand maturation of drug metabolizing enzymes and transporters for the optimization of pediatric drug therapy. <i>Drug Discovery Today: Technologies</i> , 2021, 39, 31-48.	4.0	11
139	Renal nerves do not modulate the renal and endocrine responses to furosemide in conscious lambs. <i>Canadian Journal of Physiology and Pharmacology</i> , 1996, 74, 614-620.	0.7	10
140	Probability of Rash Related to Gabapentin Therapy in a Child. <i>Annals of Pharmacotherapy</i> , 2009, 43, 387-389.	0.9	10
141	Oral lorazepam can be substituted for intravenous midazolam when weaning paediatric intensive care patients off sedation. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2018, 107, 1594-1600.	0.7	10
142	Population Pharmacokinetics of Intravenous Salbutamol in Children with Refractory Status Asthmaticus. <i>Clinical Pharmacokinetics</i> , 2020, 59, 257-264.	1.6	10
143	Innovative approaches and recent advances in the study of ontogeny of drug metabolism and transport. <i>British Journal of Clinical Pharmacology</i> , 2022, 88, 4285-4296.	1.1	10
144	Pediatric Pharmacokinetics and Dose Predictions: A Report of a Satellite Meeting to the 10th Juvenile Toxicity Symposium. <i>Clinical and Translational Science</i> , 2021, 14, 29-35.	1.5	10

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145	An Update on the Use of Allometric and Other Scaling Methods to Scale Drug Clearance in Children: Towards Decision Tables. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2022, 18, 99-113.	1.5	10
146	Biomarkers and clinical tools in critically ill children: are we heading toward tailored drug therapy?. <i>Biomarkers in Medicine</i> , 2012, 6, 239-257.	0.6	9
147	Propylene Glycol-Related Delirium After Esmolol Infusion. <i>Annals of Pharmacotherapy</i> , 2014, 48, 940-942.	0.9	9
148	Macrolide prescription in Dutch children: compliance with guidelines. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2019, 38, 675-681.	1.3	9
149	Target attainment of cefotaxime in critically ill children with meningococcal septic shock as a model for cefotaxime dosing in severe pediatric sepsis. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2019, 38, 1255-1260.	1.3	9
150	Alternative Splicing of the <i>SLCO1B1</i> Gene: An Exploratory Analysis of Isoform Diversity in Pediatric Liver. <i>Clinical and Translational Science</i> , 2020, 13, 509-519.	1.5	9
151	Development and Stability Study of an Omeprazole Suppository for Infants. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2020, 45, 627-633.	0.6	9
152	Rectal Omeprazole in Infants With Gastroesophageal Reflux Disease: A Randomized Pilot Trial. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2020, 45, 635-643.	0.6	9
153	Nephrotoxicity of concomitant piperacillin/tazobactam and teicoplanin compared with monotherapy. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 212-219.	1.3	9
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