

Karel Allegaert

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.

565 papers	10,939 citations	51 h-index	79 g-index
663 ext. papers	13,365 ext. citations	3.7 avg, IF	6.65 L-index

#	Paper	IF	Citations
565	Biomarkers of acute kidney injury after pediatric cardiac surgery: a meta-analysis of diagnostic test accuracy.. <i>European Journal of Pediatrics</i> , 2022 , 1	4.1	1
564	Prediction of glomerular filtration rate maturation across preterm and term neonates and young infants using inulin as marker.. <i>AAPS Journal</i> , 2022 , 24, 38	3.7	0
563	Characterizing Esophageal Motility in Neonatal Intensive Care Unit Patients Using High Resolution Manometry.. <i>Frontiers in Pediatrics</i> , 2022 , 10, 806072	3.4	0
562	From immature pharmacotherapy towards pharmacotherapy of the immature.. <i>Seminars in Fetal and Neonatal Medicine</i> , 2022 , 101327	3.7	0
561	The use of antenatal corticosteroids for fetal maturation: clinical practice guideline by the WAPM-World Association of Perinatal Medicine and the PMF-Perinatal Medicine foundation.. <i>Journal of Perinatal Medicine</i> , 2022 ,	2.7	2
560	Pharmacokinetics of Clavulanic Acid in the Pediatric Population: A Systematic Literature Review.. <i>Clinical Pharmacokinetics</i> , 2022 , 1	6.2	1
559	Pediatric Procedural Sedation and Analgesia (PROSA) in the Leuven University Hospitals: An Audit on Efficacy and Safety. <i>Children</i> , 2022 , 9, 776	2.8	0
558	Ways to Improve Insights into Clindamycin Pharmacology and Pharmacokinetics Tailored to Practice. <i>Antibiotics</i> , 2022 , 11, 701	4.9	1
557	Efficacy and safety of medical cannabinoids in children: a systematic review and meta-analysis. <i>Scientific Reports</i> , 2021 , 11, 23462	4.9	1
556	Global research priorities on COVID-19 for maternal, newborn, child and adolescent health.. <i>Journal of Global Health</i> , 2021 , 11, 04071	4.3	1
555	Pre- and Postnatal Maturation are Important for Fentanyl Exposure in Preterm and Term Newborns: A Pooled Population Pharmacokinetic Study. <i>Clinical Pharmacokinetics</i> , 2021 , 1	6.2	0
554	Protocol: Pentoxifylline optimal dose finding trial in preterm neonates with suspected late onset sepsis (PTX-trial). <i>BMC Pediatrics</i> , 2021 , 21, 517	2.6	0
553	Pharmacokinetic/Pharmacodynamic Modelling of Allopurinol, its Active Metabolite Oxypurinol, and Biomarkers Hypoxanthine, Xanthine and Uric Acid in Hypoxic-Ischemic Encephalopathy Neonates. <i>Clinical Pharmacokinetics</i> , 2021 , 1	6.2	1
552	Variation in vancomycin dosing and therapeutic drug monitoring practices in neonatal intensive care units. <i>International Journal of Clinical Pharmacy</i> , 2021 , 1	2.3	0
551	Animal Models for In Vivo Lactation Studies: Anatomy, Physiology and Milk Compositions in the Most Used Non-Clinical Species: A Contribution from the ConcePTION Project. <i>Animals</i> , 2021 , 11,	3.1	2
550	Vaccine Willingness and Impact of the COVID-19 Pandemic on Women's Perinatal Experiences and Practices-A Multinational, Cross-Sectional Study Covering the First Wave of the Pandemic. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	30
549	A comprehensive review on non-clinical methods to study transfer of medication into breast milk - A contribution from the ConcePTION project. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 136, 111038	7.5	7

548	Stratified Management for Bacterial Infections in Late Preterm and Term Neonates: Current Strategies and Future Opportunities Toward Precision Medicine. <i>Frontiers in Pediatrics</i> , 2021 , 9, 590969	3.4	0
547	Estimation of Ontogeny Functions for Renal Transporters Using a Combined Population Pharmacokinetic and Physiology-Based Pharmacokinetic Approach: Application to OAT1,3. <i>AAPS Journal</i> , 2021 , 23, 65	3.7	0
546	Drug Clearance in Neonates: A Combination of Population Pharmacokinetic Modelling and Machine Learning Approaches to Improve Individual Prediction. <i>Clinical Pharmacokinetics</i> , 2021 , 60, 1435-1448	6.2	3
545	Does Trypsin Oral Spray (Viruprotect/ColdZyme) Protect against COVID-19 and Common Colds or Induce Mutation? Caveats in Medical Device Regulations in the European Union. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	1
544	Dose-Related Adverse Drug Events in Neonates: Recognition and Assessment. <i>Journal of Clinical Pharmacology</i> , 2021 , 61 Suppl 1, S152-S160	2.9	0
543	Population Model of Serum Creatinine as Time-Dependent Covariate in Neonates. <i>AAPS Journal</i> , 2021 , 23, 86	3.7	0
542	Transplacental Transfer and Fetal Pharmacodynamics of Sildenafil in the Pregnant Sheep Model. <i>Fetal Diagnosis and Therapy</i> , 2021 , 48, 411-420	2.4	0
541	Considerations for Drug Dosing in Premature Infants. <i>Journal of Clinical Pharmacology</i> , 2021 , 61 Suppl 1, S141-S151	2.9	2
540	Impact of gastrointestinal tract variability on oral drug absorption and pharmacokinetics: An UNGAP review. <i>European Journal of Pharmaceutical Sciences</i> , 2021 , 162, 105812	5.1	41
539	Impact of a blended learning program on community pharmacists' barriers, knowledge, and counseling practice with regard to preconception, pregnancy and lactation. <i>Research in Social and Administrative Pharmacy</i> , 2021 , 17, 1242-1249	2.9	5
538	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	6.1	7
537	The bioavailability and maturing clearance of doxapram in preterm infants. <i>Pediatric Research</i> , 2021 , 89, 1268-1277	3.2	2
536	Population pharmacokinetics and dosing optimization of azlocillin in neonates with early-onset sepsis: a real-world study. <i>Journal of Antimicrobial Chemotherapy</i> , 2021 , 76, 699-709	5.1	6
535	Impact of enantiomer-specific changes in pharmacokinetics between infants and adults on the target concentration of racemic ketorolac: A pooled analysis. <i>British Journal of Clinical Pharmacology</i> , 2021 , 87, 1443-1454	3.8	0
534	Population pharmacokinetics of propofol in neonates and infants: Gestational and postnatal age to determine clearance maturation. <i>British Journal of Clinical Pharmacology</i> , 2021 , 87, 2089-2097	3.8	1
533	Characterizing dynamics of serum creatinine and creatinine clearance in extremely low birth weight neonates during the first 6 weeks of life. <i>Pediatric Nephrology</i> , 2021 , 36, 649-659	3.2	7
532	Sedation in the Neonatal Intensive Care Unit: International Practice 2021 , 305-343		0
531	Amikacin or Vancomycin Exposure Alters the Postnatal Serum Creatinine Dynamics in Extreme Low Birth Weight Neonates. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	1

530	Ontogeny of Hepatic Transporters and Drug-Metabolizing Enzymes in Humans and in Nonclinical Species. <i>Pharmacological Reviews</i> , 2021 , 73, 597-678	22.5	19
529	Glomerular Filtration Rate in Asphyxiated Neonates Under Therapeutic Whole-Body Hypothermia, Quantified by Mannitol Clearance. <i>Clinical Pharmacokinetics</i> , 2021 , 60, 897-906	6.2	1
528	Model-Informed Precision Dosing of Antibiotics in Pediatric Patients: A Narrative Review. <i>Frontiers in Pediatrics</i> , 2021 , 9, 624639	3.4	7
527	Maternal paracetamol intake and fetal ductus arteriosus closure: adding pieces to the scenery. <i>European Journal of Clinical Pharmacology</i> , 2021 , 77, 1935-1936	2.8	0
526	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> , 2021 ,	3.8	3
525	Physiologically based pharmacokinetic modelling of acetaminophen in preterm neonates-The impact of metabolising enzyme ontogeny and reduced cardiac output. <i>Biopharmaceutics and Drug Disposition</i> , 2021 , 42, 401-417	1.7	2
524	Pharmacokinetics of 2 oral paracetamol formulations in hospitalized octogenarians. <i>British Journal of Clinical Pharmacology</i> , 2021 ,	3.8	2
523	A Population Pharmacokinetic Modeling and Simulation Study of Posaconazole Oral Suspension in Immunocompromised Pediatric Patients: A Short Communication. <i>Therapeutic Drug Monitoring</i> , 2021 , 43, 512-518	3.2	3
522	Variations in Antibiotic Use and Sepsis Management in Neonatal Intensive Care Units: A European Survey. <i>Antibiotics</i> , 2021 , 10,	4.9	2
521	Population pharmacokinetics of cefazolin in maternal and umbilical cord plasma, and simulated exposure in term neonates. <i>Journal of Antimicrobial Chemotherapy</i> , 2021 , 76, 3229-3236	5.1	0
520	Clinical Research in Neonates: Redesigning the Informed Consent Process in the Digital Era. <i>Frontiers in Pediatrics</i> , 2021 , 9, 724431	3.4	1
519	Mechanistic Coupling of a Novel Cotyledon Perfusion Model and a Physiologically Based Pharmacokinetic Model to Predict Fetal Acetaminophen Pharmacokinetics at Delivery. <i>Frontiers in Pediatrics</i> , 2021 , 9, 733520	3.4	4
518	In-Hospital Outcomes of Acute Kidney Injury After Pediatric Cardiac Surgery: A Meta-Analysis. <i>Frontiers in Pediatrics</i> , 2021 , 9, 733744	3.4	4
517	Pharmacokinetics and pharmacodynamics of sildenafil in fetal lambs on extracorporeal support. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 143, 112161	7.5	1
516	Highly Variable Paracetamol Pharmacokinetics After Multiple Oral Dosing in Frail Older People: A Population Pharmacokinetic Analysis.. <i>Drugs and Aging</i> , 2021 , 39, 83	4.7	0
515	Narcotic-Sparing Approaches and the Shift Toward Paracetamol in Neonatal Intensive Care. <i>Handbook of Experimental Pharmacology</i> , 2020 , 261, 491-506	3.2	
514	Parental perspectives long term after neonatal clinical trial participation: a survey. <i>Trials</i> , 2020 , 21, 907	2.8	2
513	A Physiology-Based Pharmacokinetic Framework to Support Drug Development and Dose Precision During Therapeutic Hypothermia in Neonates. <i>Frontiers in Pharmacology</i> , 2020 , 11, 587	5.6	12

512	The Influence of Drug Properties and Ontogeny of Transporters on Pediatric Renal Clearance through Glomerular Filtration and Active Secretion: a Simulation-Based Study. <i>AAPS Journal</i> , 2020 , 22, 87	3.7	11
511	Renal Precision Medicine in Neonates and Acute Kidney Injury: How to Convert a Cloud of Creatinine Observations to Support Clinical Decisions. <i>Frontiers in Pediatrics</i> , 2020 , 8, 366	3.4	15
510	A Core Outcome Set for Neonatal Opioid Withdrawal Syndrome. <i>Pediatrics</i> , 2020 , 146,	7.4	7
509	Acetaminophen Use in Pregnant Women and Their Neonates: Safe or Unsafe till Proven Otherwise?. <i>Neonatology</i> , 2020 , 117, 249-251	4	4
508	Maturation of Esophageal Motility and Esophagogastric Junction in Preterm Infants. <i>Neonatology</i> , 2020 , 117, 495-503	4	5
507	Glomerular Filtration Rate in Former Extreme Low Birth Weight Infants over the Full Pediatric Age Range: A Pooled Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	1
506	Outcome reporting in neonates experiencing withdrawal following opioid exposure in pregnancy: a systematic review. <i>Trials</i> , 2020 , 21, 262	2.8	6
505	Acute Maternal Fasting or Fluid Abstinence Does Not Significantly Affect the Macronutrient Composition of Human Milk: Clinical and Clinical Research Relevance. <i>Children</i> , 2020 , 7,	2.8	3
504	Target Drug Exposure Attainment in Children: How to Get from Better to Best. <i>Paediatric Drugs</i> , 2020 , 22, 445-447	4.2	2
503	Pharmacokinetics during therapeutic hypothermia for neonatal hypoxic ischaemic encephalopathy: a literature review. <i>BMJ Paediatrics Open</i> , 2020 , 4, e000685	2.4	7
502	Preterm birth impairs postnatal lung development in the neonatal rabbit model. <i>Respiratory Research</i> , 2020 , 21, 59	7.3	9
501	Effect of esophageal length on high-resolution manometry metrics: Extension to the neonatal population. <i>Neurogastroenterology and Motility</i> , 2020 , 32, e13800	4	7
500	Integration of Placental Transfer in a Fetal-Maternal Physiologically Based Pharmacokinetic Model to Characterize Acetaminophen Exposure and Metabolic Clearance in the Fetus. <i>Clinical Pharmacokinetics</i> , 2020 , 59, 911-925	6.2	18
499	Anatomical and physiological alterations of pregnancy. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2020 , 47, 271-285	2.7	18
498	Enantiomer specific pharmacokinetics of ibuprofen in preterm neonates with patent ductus arteriosus. <i>British Journal of Clinical Pharmacology</i> , 2020 , 86, 2028-2039	3.8	8
497	The Predictive Value of Glomerular Filtration Rate-Based Scaling of Pediatric Clearance and Doses for Drugs Eliminated by Glomerular Filtration with Varying Protein-Binding Properties. <i>Clinical Pharmacokinetics</i> , 2020 , 59, 1291-1301	6.2	4
496	Clinical Studies in Infants (Pediatric Pharmacology) 2020 , 401-416		
495	The Neonatal and Juvenile Pig in Pediatric Drug Discovery and Development. <i>Pharmaceutics</i> , 2020 , 13,	6.4	9

494	Pregnancy-related pharmacokinetics and antimicrobial prophylaxis during fetal surgery, cefazolin and clindamycin as examples. <i>Prenatal Diagnosis</i> , 2020 , 40, 1178-1184	3.2	2
493	Nonlinear Transfer Entropy to Assess the Neurovascular Coupling in Premature Neonates. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1232, 11-17	3.6	1
492	Integration of Ontogeny Into a Physiologically Based Pharmacokinetic Model for Monoclonal Antibodies in Premature Infants. <i>Journal of Clinical Pharmacology</i> , 2020 , 60, 466-476	2.9	10
491	Standardizing Safety Assessment and Reporting for Neonatal Clinical Trials. <i>Journal of Pediatrics</i> , 2020 , 219, 243-249.e1	3.6	8
490	A sensitive liquid chromatography method for analysis of propofol in small volumes of neonatal blood. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2020 , 45, 128-133	2.2	2
489	Growth patterns and body composition in former extremely low birth weight (ELBW) neonates until adulthood: a systematic review. <i>European Journal of Pediatrics</i> , 2020 , 179, 757-771	4.1	7
488	Community pharmacists' attitudes, barriers, knowledge and counseling practice with regard to preconception, pregnancy and lactation. <i>Research in Social and Administrative Pharmacy</i> , 2020 , 16, 1192-1200	2.9	8
487	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	4.1	46
486	Simvastatin attenuates lung functional and vascular effects of hyperoxia in preterm rabbits. <i>Pediatric Research</i> , 2020 , 87, 1193-1200	3.2	5
485	Pharmacokinetic modeling of intravenous sildenafil in newborns with congenital diaphragmatic hernia. <i>European Journal of Clinical Pharmacology</i> , 2020 , 76, 219-227	2.8	7
484	Creatinine at Birth Correlates with Gestational Age and Birth Weight: Another Factor of the Imbroglio in Early Neonatal Life. <i>Neonatology</i> , 2020 , 117, 637-640	4	2
483	SARS-CoV-2 Infections and Impact of the COVID-19 Pandemic in Pregnancy and Breastfeeding: Results from an Observational Study in Primary Care in Belgium. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	29
482	Authors' Reply to Santos et al.: "Excipients in Neonatal Medicinal Products: Never Prescribed, Commonly Administered". <i>Pharmaceutical Medicine</i> , 2020 , 34, 361-362	2.3	
481	Approaches to Dose Finding in Neonates, Illustrating the Variability between Neonatal Drug Development Programs. <i>Pharmaceutics</i> , 2020 , 12,	6.4	11
480	Perinatal pharmacology and safety profiles. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2020 , 171, 161-178	3	1
479	Immersive Virtual Reality as Analgesia during Dressing Changes of Hospitalized Children and Adolescents with Burns: A Systematic Review with Meta-Analysis. <i>Children</i> , 2020 , 7,	2.8	1
478	Innovative approaches and recent advances in the study of ontogeny of drug metabolism and transport. <i>British Journal of Clinical Pharmacology</i> , 2020 ,	3.8	1
477	Treprostinil Attains Clinically Therapeutic Concentrations in Neonates with Pulmonary Hypertension on Extracorporeal Membrane Oxygenation Support. <i>Pharmacotherapy</i> , 2020 , 40, 1054-1060	5.8	3

476	Sequestration of Voriconazole and Vancomycin Into Contemporary Extracorporeal Membrane Oxygenation Circuits: An Study. <i>Frontiers in Pediatrics</i> , 2020 , 8, 468	3.4	7
475	Routine Intubation in Newborns With Congenital Diaphragmatic Hernia. <i>Pediatrics</i> , 2020 , 146,	7.4	3
474	A semi-automated method for unbiased alveolar morphometry: Validation in a bronchopulmonary dysplasia model. <i>PLoS ONE</i> , 2020 , 15, e0239562	3.7	2
473	Retinal and Renal Microvasculature in Relation to Central Hemodynamics in 11-Year-Old Children Born Preterm or At Term. <i>Journal of the American Heart Association</i> , 2020 , 9, e014305	6	2
472	Medical devices that look like medicines: safety and regulatory concerns for children in Europe. <i>Archives of Disease in Childhood</i> , 2020 , 105, 147-154	2.2	2
471	Prevalence and characteristics of pregnancy- and lactation-related calls to the National Poison Centre in Belgium: A retrospective analysis of calls from 2012 to 2017. <i>Journal of Evaluation in Clinical Practice</i> , 2020 , 26, 911-917	2.5	3
470	Arabic-speaking pregnant women with a migration background: A vulnerable target group for prenatal counseling on medicines. <i>Research in Social and Administrative Pharmacy</i> , 2020 , 16, 377-382	2.9	
469	Physiologically Based Pharmacokinetic Modeling to Characterize Acetaminophen Pharmacokinetics and N-Acetyl-p-Benzoquinone Imine (NAPQI) Formation in Non-Pregnant and Pregnant Women. <i>Clinical Pharmacokinetics</i> , 2020 , 59, 97-110	6.2	24
468	Characterization of esophageal motility and esophagogastric junction in preterm infants with bronchopulmonary dysplasia. <i>Neurogastroenterology and Motility</i> , 2020 , 32, e13849	4	7
467	A Critical Review on the Relevance of Paracetamol for Procedural Pain Management in Neonates. <i>Frontiers in Pediatrics</i> , 2020 , 8, 89	3.4	6
466	Creatinine Trends to Detect Ibuprofen-Related Maturational Adverse Drug Events in Neonatal Life: A Simulation Study for the ELBW Newborn. <i>Frontiers in Pharmacology</i> , 2020 , 11, 610294	5.6	0
465	A semi-automated method for unbiased alveolar morphometry: Validation in a bronchopulmonary dysplasia model 2020 , 15, e0239562		
464	A semi-automated method for unbiased alveolar morphometry: Validation in a bronchopulmonary dysplasia model 2020 , 15, e0239562		
463	A semi-automated method for unbiased alveolar morphometry: Validation in a bronchopulmonary dysplasia model 2020 , 15, e0239562		
462	A semi-automated method for unbiased alveolar morphometry: Validation in a bronchopulmonary dysplasia model 2020 , 15, e0239562		
461	Actual body weight-based vancomycin dosing in neonates. <i>Journal of Chemotherapy</i> , 2019 , 31, 307-312	2.3	5
460	Extremely Low Birth Weight Predisposes to Impaired Renal Health: A Pooled Analysis. <i>Kidney and Blood Pressure Research</i> , 2019 , 44, 897-906	3.1	5
459	Drug Disposition and Pharmacotherapy in Neonatal ECMO: From Fragmented Data to Integrated Knowledge. <i>Frontiers in Pediatrics</i> , 2019 , 7, 360	3.4	24

458	Intravenous or Oral Acetaminophen for Analgesia After Cesarean Section: Exposure Drives Pain Relief. <i>Pain Medicine</i> , 2019 , 20, 2329-2331	2.8	1
457	Population Pharmacokinetic Modeling in the Presence of Missing Time-Dependent Covariates: Impact of Body Weight on Pharmacokinetics of Paracetamol in Neonates. <i>AAPS Journal</i> , 2019 , 21, 68	3.7	3
456	Larger Dose Reductions of Vancomycin Required in Neonates with Patent Ductus Arteriosus Receiving Indomethacin versus Ibuprofen. <i>Antimicrobial Agents and Chemotherapy</i> , 2019 , 63,	5.9	5
455	Developmental neurobiology as a guide for pharmacological management of pain in neonates. <i>Seminars in Fetal and Neonatal Medicine</i> , 2019 , 24, 101012	3.7	7
454	Population pharmacokinetic meta-analysis of individual data to design the first randomized efficacy trial of vancomycin in neonates and young infants. <i>Journal of Antimicrobial Chemotherapy</i> , 2019 , 74, 2128-2138 ¹²	5.1	12
453	Beliefs about medicines and information needs among pregnant women visiting a tertiary hospital in Belgium. <i>European Journal of Clinical Pharmacology</i> , 2019 , 75, 995-1003	2.8	16
452	Antenatal therapy with sildenafil: don't throw the baby out with the bathwater. <i>Ultrasound in Obstetrics and Gynecology</i> , 2019 , 53, 274-275	5.8	5
451	Impact of Disease on Amikacin Pharmacokinetics and Dosing in Children. <i>Therapeutic Drug Monitoring</i> , 2019 , 41, 44-52	3.2	6
450	Research on medication use in the neonatal intensive care unit. <i>Expert Review of Clinical Pharmacology</i> , 2019 , 12, 343-353	3.8	7
449	Local pulmonary drug delivery in the preterm rabbit: feasibility and efficacy of daily intratracheal injections. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019 , 316, L589-L597	5.8	10
448	How often do we perform painful and stressful procedures in the paediatric intensive care unit? A prospective observational study. <i>Australian Critical Care</i> , 2019 , 32, 4-10	2.9	13
447	Neonates are not just little children and need more finesse in dosing of antibiotics. <i>Acta Clinica Belgica</i> , 2019 , 74, 157-163	1.8	5
446	Neonatal factors predictive for respiratory and gastro-intestinal morbidity after esophageal atresia repair. <i>Pediatrics and Neonatology</i> , 2019 , 60, 261-269	1.8	9
445	Pharmacokinetic modelling and Bayesian estimation-assisted decision tools to optimize vancomycin dosage in neonates: only one piece of the puzzle. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2019 , 15, 735-749	5.5	8
444	Propofol Formulation Affects Myocardial Function in Newborn Infants. <i>Pediatric Cardiology</i> , 2019 , 40, 1536-1542	2.1	2
443	Dose rationale and pharmacokinetics of dexmedetomidine in mechanically ventilated new-borns: impact of design optimisation. <i>European Journal of Clinical Pharmacology</i> , 2019 , 75, 1393-1404	2.8	7
442	A manual propofol infusion regimen for neonates and infants. <i>Paediatric Anaesthesia</i> , 2019 , 29, 907-914	1.8	16
441	Health products and substance use among pregnant women visiting a tertiary hospital in Belgium: A cross-sectional study. <i>Pharmacoepidemiology and Drug Safety</i> , 2019 , 28, 1231-1238	2.6	7

440	Oral antibiotics for neonatal infections: a systematic review and meta-analysis. <i>Journal of Antimicrobial Chemotherapy</i> , 2019 , 74, 3150-3161	5.1	9
439	Phenobarbital Increases Midazolam Clearance in Neonates Treated with Hypothermia: Do We Really Need to Know?. <i>Neonatology</i> , 2019 , 116, 188-190	4	1
438	Effect of allopurinol in addition to hypothermia treatment in neonates for hypoxic-ischemic brain injury on neurocognitive outcome (ALBINO): study protocol of a blinded randomized placebo-controlled parallel group multicenter trial for superiority (phase III). <i>BMC Pediatrics</i> , 2019 , 19, 210	2.6	19
437	O26 Population pharmacokinetic meta-analysis of individual data to design the first randomized efficacy trial of vancomycin in neonates and young Infants. <i>Archives of Disease in Childhood</i> , 2019 , 104, e11.2-e12	2.2	1
436	Ontogeny of Phase I Metabolism of Drugs. <i>Journal of Clinical Pharmacology</i> , 2019 , 59 Suppl 1, S33-S41	2.9	19
435	Congenital Diaphragmatic Hernia: In Utero Treatment Today and Tomorrow 2019 , 503-511		
434	Rapidly maturing fentanyl clearance in preterm neonates. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2019 , 104, F598-F603	4.7	13
433	Clinical Pharmacokinetic Studies in Pregnant Women and the Relevance of Pharmacometric Tools. <i>Current Pharmaceutical Design</i> , 2019 , 25, 483-495	3.3	13
432	Development of CliniPup, a Serious Game Aimed at Reducing Perioperative Anxiety and Pain in Children: Mixed Methods Study. <i>JMIR Serious Games</i> , 2019 , 7, e12429	3.4	12
431	A Web-Based Serious Game for Health to Reduce Perioperative Anxiety and Pain in Children (CliniPup): Pilot Randomized Controlled Trial. <i>JMIR Serious Games</i> , 2019 , 7, e12431	3.4	14
430	Morphine treatment for neonatal abstinence syndrome: huge dosing variability underscores the need for a better clinical study design. <i>Minerva Pediatrica</i> , 2019 , 71, 263-286	1.6	2
429	Should we treat every infant with a probiotic?. <i>Minerva Pediatrica</i> , 2019 , 71, 253-262	1.6	5
428	Rational Use of Antibiotics in Neonates: Still in Search of Tailored Tools. <i>Healthcare (Switzerland)</i> , 2019 , 7,	3.4	8
427	O19 Development of a paediatric brain PBPK model in children with and without meningitis. <i>Archives of Disease in Childhood</i> , 2019 , 104, e8.3-e9	2.2	1
426	P66 Characterization of the pharmacokinetics of acetaminophen and its metabolites in the fetus through integration of placental transfer in a physiologically based pharmacokinetic model. <i>Archives of Disease in Childhood</i> , 2019 , 104, e44.2-e45	2.2	
425	Intralesional steroid injections to prevent refractory strictures in patients with oesophageal atresia: study protocol for an international, multicentre randomised controlled trial (STEPS-EA trial). <i>BMJ Open</i> , 2019 , 9, e033030	3	0
424	P49 A pharmacokinetic evaluation of oral clavulanic acid in term newborns. <i>Archives of Disease in Childhood</i> , 2019 , 104, e37.2-e37	2.2	
423	RAIN study: a protocol for a randomised controlled trial evaluating efficacy, safety and cost-effectiveness of intravenous-to-oral antibiotic switch therapy in neonates with a probable bacterial infection. <i>BMJ Open</i> , 2019 , 9, e026688	3	2

422	O13 Improved early vancomycin exposure in neonates using a population pharmacokinetic model-based vancomycin dosing regimen. <i>Archives of Disease in Childhood</i> , 2019 , 104, e6.1-e6	2.2	
421	Development of a neonatal adverse event severity scale through a Delphi consensus approach. <i>Archives of Disease in Childhood</i> , 2019 , 104, 1167-1173	2.2	21
420	The CoDiNOS trial protocol: an international randomised controlled trial of intravenous sildenafil versus inhaled nitric oxide for the treatment of pulmonary hypertension in neonates with congenital diaphragmatic hernia. <i>BMJ Open</i> , 2019 , 9, e032122	3	16
419	Monitoring of Brain Hemodynamics Coupling in Neonates using Updated Tensor Decompositions. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 660-663	0.9	0
418	Characterization of Esophageal Motility in Infants With Congenital Diaphragmatic Hernia Using High-resolution Manometry. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2019 , 69, 32-38	2.8	3
417	Physiologically based pharmacokinetic (PBPK) modeling and simulation in neonatal drug development: how clinicians can contribute. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2019 , 15, 25-34	5.5	15
416	Vancomycin Pharmacokinetics Throughout Life: Results from a Pooled Population Analysis and Evaluation of Current Dosing Recommendations. <i>Clinical Pharmacokinetics</i> , 2019 , 58, 767-780	6.2	33
415	Population Pharmacokinetic Modeling of Acetaminophen and Metabolites in Children After Cardiac Surgery With Cardiopulmonary Bypass. <i>Journal of Clinical Pharmacology</i> , 2019 , 59, 847-855	2.9	5
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