

Tuuli Metsvaht

List of Publications by Year in descending order

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73
papers

1,585
citations

257357

24
h-index

345118

36
g-index

76
all docs

76
docs citations

76
times ranked

2002
citing authors

#	ARTICLE	IF	CITATIONS
1	Acutely and Retrospectively Diagnosed Perinatal Stroke. <i>Stroke</i> , 2007, 38, 2234-2240.	1.0	152
2	High variability in the dosing of commonly used antibiotics revealed by a Europe-wide point prevalence study: implications for research and dissemination. <i>BMC Pediatrics</i> , 2015, 15, 41.	0.7	69
3	Drug utilisation pattern and off-label use of medicines in Estonian neonatal units. <i>European Journal of Clinical Pharmacology</i> , 2011, 67, 1263-1271.	0.8	57
4	Potentially harmful excipients in neonatal medicines: a pan-European observational study. <i>Archives of Disease in Childhood</i> , 2015, 100, 694-699.	1.0	55
5	Cerebral blood-flow velocities in predicting outcome of asphyxiated newborn infants. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2004, 93, 523-528.	0.7	54
6	Development and Evaluation of a Gentamicin Pharmacokinetic Model That Facilitates Opportunistic Gentamicin Therapeutic Drug Monitoring in Neonates and Infants. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 4869-4877.	1.4	51
7	Inflicted traumatic brain injury (ITBI) or shaken baby syndrome (SBS) in Estonia. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2006, 95, 799-804.	0.7	49
8	Plasma and CSF pharmacokinetics of meropenem in neonates and young infants: results from the NeoMero studies. <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 1908-1916.	1.3	49
9	Comparison of ampicillin plus gentamicin vs. penicillin plus gentamicin in empiric treatment of neonates at risk of early onset sepsis. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2010, 99, 665-672.	0.7	46
10	Risk factors associated with gut and nasopharyngeal colonization by common Gram-negative species and yeasts in neonatal intensive care units patients. <i>Early Human Development</i> , 2011, 87, 391-399.	0.8	44
11	Genetic Relatedness of Coagulase-negative Staphylococci From Gastrointestinal Tract and Blood of Preterm Neonates With Late-onset Sepsis. <i>Pediatric Infectious Disease Journal</i> , 2013, 32, 389-393.	1.1	43
12	Short versus Long Infusion of Meropenem in Very-Low-Birth-Weight Neonates. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 4760-4764.	1.4	41
13	Clinical trials in neonatal sepsis. <i>Journal of Antimicrobial Chemotherapy</i> , 2013, 68, 2733-2745.	1.3	41
14	Risk assessment of neonatal excipient exposure: Lessons from food safety and other areas. <i>Advanced Drug Delivery Reviews</i> , 2014, 73, 89-101.	6.6	41
15	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.	0.7	40
16	An Observational Study of Blood Concentrations and Kinetics of Methyl- and Propyl-Parabens in Neonates. <i>Pharmaceutical Research</i> , 2015, 32, 1084-1093.	1.7	38
17	The development of gut microbiota in critically ill extremely low birth weight infants assessed with 16S rRNA gene based sequencing. <i>Gut Microbes</i> , 2014, 5, 304-503.	4.3	37
18	Mucosal surveillance cultures in predicting Gram-negative late-onset sepsis in neonatal intensive care units. <i>Journal of Hospital Infection</i> , 2011, 78, 327-332.	1.4	36

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19	Current management of late onset neonatal bacterial sepsis in five European countries. <i>European Journal of Pediatrics</i> , 2014, 173, 997-1004.	1.3	34
20	Meropenem vs standard of care for treatment of neonatal late onset sepsis (NeoMero1): A randomised controlled trial. <i>PLoS ONE</i> , 2020, 15, e0229380.	1.1	34
21	Coagulase negative staphylococcal sepsis in neonates: do we need to adapt vancomycin dose or target?. <i>BMC Pediatrics</i> , 2016, 16, 206.	0.7	31
22	Understanding pharmacokinetics/pharmacodynamics in managing neonatal sepsis. <i>Current Opinion in Infectious Diseases</i> , 2010, 23, 201-207.	1.3	27
23	Meropenem vs standard of care for treatment of late onset sepsis in children of less than 90 days of age: study protocol for a randomised controlled trial. <i>Trials</i> , 2011, 12, 215.	0.7	27
24	Gut colonization by aerobic microorganisms is associated with route and type of nutrition in premature neonates. <i>Nutrition Research</i> , 2015, 35, 496-503.	1.3	24
25	Low cerebral blood flow velocity and head circumference in infants with severe hypoxic ischemic encephalopathy and poor outcome. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2009, 98, 459-465.	0.7	23
26	Prolonged outbreak of <i>Serratia marcescens</i> in Tartu University Hospital: a case-control study. <i>BMC Infectious Diseases</i> , 2012, 12, 281.	1.3	23
27	Neonatal Spinal Muscular Atrophy Type 1 With Bone Fractures and Heart Defect. <i>Journal of Child Neurology</i> , 2007, 22, 67-70.	0.7	22
28	European Study of Neonatal Exposure to Excipients: An update. <i>International Journal of Pharmaceutics</i> , 2013, 457, 357-358.	2.6	22
29	The role of breast milk in the colonization of neonatal gut and skin with coagulase-negative staphylococci. <i>Pediatric Research</i> , 2017, 82, 759-767.	1.1	21
30	Impact of empiric antibiotic regimen on bowel colonization in neonates with suspected early onset sepsis. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2010, 29, 807-816.	1.3	20
31	Clinical parameters predicting failure of empirical antibacterial therapy in early onset neonatal sepsis, identified by classification and regression tree analysis. <i>BMC Pediatrics</i> , 2009, 9, 72.	0.7	19
32	Pharmacokinetics of Penicillin G in Very-Low-Birth-Weight Neonates. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 1995-2000.	1.4	17
33	Aortic Arch Thrombosis in a Neonate With Heterozygous Carrier Status of Factor V Leiden Mutation. <i>Congenital Heart Disease</i> , 2006, 1, 40-45.	0.0	16
34	DosOpt: A Tool for Personalized Bayesian Dose Adjustment of Vancomycin in Neonates. <i>Therapeutic Drug Monitoring</i> , 2017, 39, 604-613.	1.0	15
35	Treatment option for sepsis in children in the era of antibiotic resistance. <i>Expert Review of Anti-Infective Therapy</i> , 2014, 12, 1237-1252.	2.0	14
36	Pharmacokinetics of Penicillin G in Preterm and Term Neonates. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	13

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37	Descriptive Epidemiology of Spinal Muscular Atrophy Type I in Estonia. <i>Neuroepidemiology</i> , 2006, 27, 164-168.	1.1	12
38	Pharmacokinetics and pharmacodynamics of piperacillin/tazobactam during high volume haemodiafiltration in patients with septic shock. <i>Acta Anaesthesiologica Scandinavica</i> , 2016, 60, 230-240.	0.7	12
39	Coagulase-Negative Staphylococci in Human Milk From Mothers of Preterm Compared With Term Neonates. <i>Journal of Human Lactation</i> , 2017, 33, 329-340.	0.8	12
40	The CLOSED trial; CLONidine compared with midazolam for SEDation of paediatric patients in the intensive care unit: study protocol for a multicentre randomised controlled trial. <i>BMJ Open</i> , 2017, 7, e016031.	0.8	12
41	Septic shock with disseminated microfoci in multiple organs in humans. <i>Intensive Care Medicine</i> , 1998, 24, 73-76.	3.9	11
42	Blood Loss Related to Participation in Pharmacokinetic Study in Preterm Neonates. <i>Neonatology</i> , 2011, 100, 111-115.	0.9	11
43	Use of dried blood spots to study excipient kinetics in neonates. <i>Bioanalysis</i> , 2011, 3, 2691-2693.	0.6	11
44	Comment on Pharmacokinetic Studies in Neonates: The Utility of an Opportunistic Sampling Design. <i>Clinical Pharmacokinetics</i> , 2015, 54, 1287-1288.	1.6	11
45	Product Substitution as a Way Forward in Avoiding Potentially Harmful Excipients in Neonates. <i>Paediatric Drugs</i> , 2016, 18, 221-230.	1.3	10
46	A highly sensitive method for the simultaneous UHPLC-MS/MS analysis of clonidine, morphine, midazolam and their metabolites in blood plasma using HFIP as the eluent additive. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1052, 150-157.	1.2	10
47	Molecular epidemiology of <i>Staphylococcus epidermidis</i> in neonatal intensive care units. <i>Apmis</i> , 2017, 125, 63-73.	0.9	10
48	<i>In vitro</i> synergy of oxacillin and gentamicin against coagulase-negative staphylococci from blood cultures of neonates with late-onset sepsis. <i>Apmis</i> , 2013, 121, 859-864.	0.9	9
49	Age-Appropriate Formulations Including Pharmaceutical Excipients in Neonatal Medicines. <i>Current Pharmaceutical Design</i> , 2018, 23, 5779-5789.	0.9	9
50	Medicines prescription patterns in European neonatal units. <i>International Journal of Clinical Pharmacy</i> , 2019, 41, 1578-1591.	1.0	8
51	Late-onset neonatal sepsis: genetic differences by sex and involvement of the NOTCH pathway. <i>Pediatric Research</i> , 2023, 93, 1085-1095.	1.1	8
52	Comparison of two alternative study designs in assessment of medicines utilisation in neonates. <i>BMC Medical Research Methodology</i> , 2014, 14, 89.	1.4	7
53	Dosing of Milrinone in Preterm Neonates to Prevent Postligation Cardiac Syndrome: Simulation Study Suggests Need for Bolus Infusion. <i>Neonatology</i> , 2017, 111, 8-11.	0.9	7
54	Population pharmacokinetics and pharmacodynamics of dobutamine in neonates on the first days of life. <i>British Journal of Clinical Pharmacology</i> , 2020, 86, 318-328.	1.1	7

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55	Optimised versus standard dosing of vancomycin in infants with Gram-positive sepsis (NeoVanc): a multicentre, randomised, open-label, phase 2b, non-inferiority trial. <i>The Lancet Child and Adolescent Health</i> , 2022, 6, 49-59.	2.7	7
56	Pharmacokinetics of doripenem during high volume hemodiafiltration in patients with septic shock. <i>Journal of Clinical Pharmacology</i> , 2015, 55, 438-446.	1.0	6
57	Population Pharmacokinetics and Dosing of Milrinone After Patent Ductus Arteriosus Ligation in Preterm Infants. <i>Pediatric Critical Care Medicine</i> , 2019, 20, 621-629.	0.2	6
58	Genetic Relatedness of <i>Staphylococcus haemolyticus</i> in Gut and Skin of Preterm Neonates and Breast Milk of Their Mothers. <i>Pediatric Infectious Disease Journal</i> , 2019, 38, 308-313.	1.1	6
59	Glomerular Filtration Rate in Asphyxiated Neonates Under Therapeutic Whole-Body Hypothermia, Quantified by Mannitol Clearance. <i>Clinical Pharmacokinetics</i> , 2021, 60, 897-906.	1.6	6
60	Ampicillin versus penicillin in the empiric therapy of extremely low birthweight neonates at risk of early onset sepsis. <i>Pediatrics International</i> , 2011, 53, 873-880.	0.2	5
61	A sensitive method for the simultaneous UHPLC-MS/MS analysis of milrinone and dobutamine in blood plasma using NH ₄ F as the eluent additive and ascorbic acid as a stabilizer. <i>Clinical Mass Spectrometry</i> , 2019, 12, 23-29.	1.9	5
62	Genetic relatedness of Gram-negative bacteria colonizing gut and skin of neonates and mother's own milk. <i>Journal of Perinatology</i> , 2018, 38, 1503-1511.	0.9	4
63	Ampicillin Pharmacokinetics During First Week of Life in Preterm and Term Neonates. <i>Pediatric Infectious Disease Journal</i> , 2021, 40, 464-472.	1.1	4
64	Higher intake of coagulase-negative staphylococci from maternal milk promotes gut colonization with mecA-negative <i>Staphylococcus epidermidis</i> in preterm neonates. <i>Journal of Perinatology</i> , 2018, 38, 1344-1352.	0.9	3
65	Maternal Pyelonephritis as a Potential Cause of Perinatal Periventricular Venous Infarction in Term-Born Children. <i>Journal of Child Neurology</i> , 2022, 37, 677-688.	0.7	3
66	Inflicted traumatic brain injury (ITBI) or shaken baby syndrome (SBS) in Estonia. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2006, 95, 799-804.	0.7	2
67	Severe Trauma in Estonia: 256 consecutive cases analysed and the impact on outcomes comparing two regions. <i>European Journal of Trauma and Emergency Surgery</i> , 2016, 42, 497-502.	0.8	2
68	Symptomatic Neonatal Arterial Ischemic Stroke With Prenatal and Postnatal Neuroimaging. <i>Child Neurology Open</i> , 2017, 4, 2329048X1773046.	0.5	1
69	Periventricular Venous Infarction in an Extremely Premature Infant as the Cause of Schizencephaly. <i>Journal of Pediatric Neurology</i> , 2020, 18, 267-270.	0.0	1
70	Possible oxidative stress in healthy term newborns. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 1999, 88, 1299-300.	0.7	1
71	Pharmacogenetics may explain part of the interindividual variability of dobutamine pharmacodynamics in neonates. <i>British Journal of Clinical Pharmacology</i> , 2022, , .	1.1	1
72	Response to Letter by Temesvári. <i>Stroke</i> , 2008, 39, .	1.0	0

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73	Pharmacokinetics of Gentamicin Components C1, C1a, and C2/C2a/C2b and Subsequent Decline in Glomerular Filtration Rate in Neonates. AAPS Journal, 2022, 24, .	2.2	0