

Jaan Toelen

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

684
citations

516710

16
h-index

642732

23
g-index

68
all docs

68
docs citations

68
times ranked

873
citing authors

#	ARTICLE	IF	CITATIONS
1	Transplacental sildenafil rescues lung abnormalities in the rabbit model of diaphragmatic hernia. <i>Thorax</i> , 2016, 71, 517-525.	5.6	52
2	Amniotic Fluid Derived Stem Cells with a Renal Progenitor Phenotype Inhibit Interstitial Fibrosis in Renal Ischemia and Reperfusion Injury in Rats. <i>PLoS ONE</i> , 2015, 10, e0136145.	2.5	37
3	Routine clonal expansion of mesenchymal stem cells derived from amniotic fluid for perinatal applications. <i>Prenatal Diagnosis</i> , 2013, 33, 921-928.	2.3	34
4	Functional assessment of hyperoxia-induced lung injury after preterm birth in the rabbit. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014, 306, L277-L283.	2.9	32
5	YouTube Videos as a Source of Information About Immunology for Medical Students: Cross-Sectional Study. <i>JMIR Medical Education</i> , 2019, 5, e12605.	2.6	30
6	Progressive Vascular Functional and Structural Damage in a Bronchopulmonary Dysplasia Model in Preterm Rabbits Exposed to Hyperoxia. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1776.	4.1	28
7	Medical interventions to reverse pulmonary hypoplasia in the animal model of congenital diaphragmatic hernia: A systematic review. <i>Pediatric Pulmonology</i> , 2015, 50, 820-838.	2.0	27
8	Sildenafil crosses the placenta at therapeutic levels in a dually perfused human cotyledon model. <i>American Journal of Obstetrics and Gynecology</i> , 2018, 219, 619.e1-619.e10.	1.3	22
9	Preterm birth impairs postnatal lung development in the neonatal rabbit model. <i>Respiratory Research</i> , 2020, 21, 59.	3.6	22
10	Upregulation of Vascular Endothelial Growth Factor in Amniotic Fluid Stem Cells Enhances Their Potential to Attenuate Lung Injury in a Preterm Rabbit Model of Bronchopulmonary Dysplasia. <i>Neonatology</i> , 2018, 113, 275-285.	2.0	21
11	Transcriptome Analysis of the Preterm Rabbit Lung after Seven Days of Hyperoxic Exposure. <i>PLoS ONE</i> , 2015, 10, e0136569.	2.5	21
12	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.	3.1	21
13	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.	3.1	21
14	Early neuropathological and neurobehavioral consequences of preterm birth in a rabbit model. <i>Scientific Reports</i> , 2019, 9, 3506.	3.3	20
15	Modelling Bronchopulmonary Dysplasia in Animals: Arguments for the Preterm Rabbit Model. <i>Current Pharmaceutical Design</i> , 2018, 23, 5887-5901.	1.9	20
16	Proton-pump inhibitor omeprazole attenuates hyperoxia induced lung injury. <i>Journal of Translational Medicine</i> , 2016, 14, 247.	4.4	18
17	Pulmonary transcriptome analysis in the rabbit model of surgically-induced diaphragmatic hernia treated with fetal tracheal occlusion. <i>DMM Disease Models and Mechanisms</i> , 2016, 9, 221-8.	2.4	18
18	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.	2.9	17

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19	A semi-automated method for unbiased alveolar morphometry: Validation in a bronchopulmonary dysplasia model. <i>PLoS ONE</i> , 2020, 15, e0239562.	2.5	17
20	The proportion of alveolar type 1 cells decreases in murine hypoplastic congenital diaphragmatic hernia lungs. <i>PLoS ONE</i> , 2019, 14, e0214793.	2.5	15
21	Intratracheal budesonide/surfactant attenuates hyperoxia-induced lung injury in preterm rabbits. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 319, L949-L956.	2.9	15
22	Strategies to Prevent Acute Kidney Injury after Pediatric Cardiac Surgery. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2021, 16, 1480-1490.	4.5	15
23	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, 194.	1.5	14
24	Long-term neuropathological and/or neurobehavioral effects of antenatal corticosteroid therapy in animal models: a systematic review. <i>Pediatric Research</i> , 2020, 87, 1157-1170.	2.3	14
25	Preclinical evaluation of cell-based strategies to prevent or treat bronchopulmonary dysplasia in animal models: a systematic review. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2018, 31, 958-966.	1.5	11
26	Intermittent CPAP limits hyperoxia-induced lung damage in a rabbit model of bronchopulmonary dysplasia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 318, L976-L987.	2.9	11
27	Complementary Effect of Maternal Sildenafil and Fetal Tracheal Occlusion Improves Lung Development in the Rabbit Model of Congenital Diaphragmatic Hernia. <i>Annals of Surgery</i> , 2020, Publish Ahead of Print, .	4.2	11
28	Ventilation and respiratory outcome in extremely preterm infants: trends in the new millennium. <i>European Journal of Pediatrics</i> , 2022, 181, 1899-1907.	2.7	10
29	Combination of μ CT and light microscopy for generation-specific stereological analysis of pulmonary arterial branches: a proof-of-concept study. <i>Histochemistry and Cell Biology</i> , 2021, 155, 227-239.	1.7	8
30	A Novel Surgical Approach for Intratracheal Administration of Bioactive Agents in a Fetal Mouse Model. <i>Journal of Visualized Experiments</i> , 2012, , .	0.3	7
31	Simvastatin attenuates lung functional and vascular effects of hyperoxia in preterm rabbits. <i>Pediatric Research</i> , 2020, 87, 1193-1200.	2.3	7
32	Stretch increases alveolar type 1 cell number in fetal lungs through ROCK-Yap/Taz pathway. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 321, L814-L826.	2.9	7
33	The amniotic fluid as a source of mesenchymal stem cells with lung-specific characteristics. <i>Prenatal Diagnosis</i> , 2017, 37, 1093-1099.	2.3	6
34	Earlier preterm birth is associated with a worse neurocognitive outcome in a rabbit model. <i>PLoS ONE</i> , 2021, 16, e0246008.	2.5	6
35	Parental Opinions on Medical Decision-Making in Adolescence: A Case-Based Survey. <i>Journal of Developmental and Behavioral Pediatrics</i> , 2022, 43, 17-22.	1.1	6
36	A case of severe pseudohyperkalaemia due to muscle contraction. <i>Biochemia Medica</i> , 2020, 30, 331-337.	2.7	4

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37	Glomerular developmental delay and proteinuria in the preterm neonatal rabbit. PLoS ONE, 2020, 15, e0241384.	2.5	4
38	Neurocognitive sequelae of antenatal corticosteroids in a late preterm rabbit model. American Journal of Obstetrics and Gynecology, 2022, 226, 850.e1-850.e21.	1.3	4
39	Pediatric Procedural Sedation and Analgesia (PROSA) in the Leuven University Hospitals: An Audit on Efficacy and Safety. Children, 2022, 9, 776.	1.5	4
40	Late adolescents' own and assumed parental preferences towards health-care related confidentiality and consent in Belgium. PLoS ONE, 2021, 16, e0252618.	2.5	3
41	Performance of Automated Point-of-Care Respiratory Rate Counting versus Manual Counting in Children under Five Admitted with Severe Febrile Illness to Kisantu Hospital, DR Congo. Diagnostics, 2021, 11, 2078.	2.6	3
42	A Systematic Review of the Influence of Continuous Positive Airway Pressure on Fetal and Newborn Animal Models: Suggestions to Improve Neonatal Respiratory Care. Neonatology, 2021, 118, 5-14.	2.0	3
43	Health-related confidentiality and consent among minors: Data on adult perspectives from Belgium and The Netherlands. Data in Brief, 2022, 42, 108301.	1.0	3
44	A Ray of Light for Fetal Therapy. Human Gene Therapy, 2010, 21, 137-139.	2.7	2
45	Chronische abdominale pijn bij een adolescent. Tijdschrift Voor Kindergeneeskunde, 2014, 82, 138-142.	0.0	2
46	Shivering has little diagnostic value in diagnosing serious bacterial infection in children: a systematic review and meta-analysis. European Journal of Pediatrics, 2021, 180, 1033-1042.	2.7	2
47	Field Experiences with Handheld Diagnostic Devices to Triage Children under Five Presenting with Severe Febrile Illness in a District Hospital in DR Congo. Diagnostics, 2022, 12, 746.	2.6	2
48	Clinical adolescent decision-making: parental perspectives on confidentiality and consent in Belgium and The Netherlands. Ethics and Behavior, 2023, 33, 371-386.	1.8	2
49	Digital images of pediatric mental disorders do not accurately represent the conditions. Heliyon, 2020, 6, e05017.	3.2	1
50	Evaluating registrations of serial sections with distortions of the ground truths. IEEE Access, 2021, , 1-1.	4.2	1
51	An incidental X-ray finding in a toddler. Journal of Paediatrics and Child Health, 2015, 51, 935-935.	0.8	0
52	Both Medical and Context Elements Influence the Decision-Making Processes of Pediatricians. Children, 2022, 9, 403.	1.5	0
53	Title is missing!. , 2020, 15, e0239562.		0
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61	Glomerular developmental delay and proteinuria in the preterm neonatal rabbit. , 2020, 15, e0241384.		0
62	Glomerular developmental delay and proteinuria in the preterm neonatal rabbit. , 2020, 15, e0241384.		0