

# 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	Clinical adolescent decision-making: parental perspectives on confidentiality and consent in Belgium and The Netherlands. <i>Ethics and Behavior</i> , 2023, 33, 371-386.	1.8	2
2	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
3	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
4	Both Medical and Context Elements Influence the Decision-Making Processes of Pediatricians. <i>Children</i> , 2022, 9, 403.	1.5	0
5	Field Experiences with Handheld Diagnostic Devices to Triage Children under Five Presenting with Severe Febrile Illness in a District Hospital in DR Congo. <i>Diagnostics</i> , 2022, 12, 746.	2.6	2
6	Neurocognitive sequelae of antenatal corticosteroids in a late preterm rabbit model. <i>American Journal of Obstetrics and Gynecology</i> , 2022, 226, 850.e1-850.e21.	1.3	4
7	Pediatric Procedural Sedation and Analgesia (PROSA) in the Leuven University Hospitals: An Audit on Efficacy and Safety. <i>Children</i> , 2022, 9, 776.	1.5	4
8	Health-related confidentiality and consent among minors: Data on adult perspectives from Belgium and The Netherlands. <i>Data in Brief</i> , 2022, 42, 108301.	1.0	3
9	Shivering has little diagnostic value in diagnosing serious bacterial infection in children: a systematic review and meta-analysis. <i>European Journal of Pediatrics</i> , 2021, 180, 1033-1042.	2.7	2
10	Earlier preterm birth is associated with a worse neurocognitive outcome in a rabbit model. <i>PLoS ONE</i> , 2021, 16, e0246008.	2.5	6
11	Late adolescents' own and assumed parental preferences towards health-care related confidentiality and consent in Belgium. <i>PLoS ONE</i> , 2021, 16, e0252618.	2.5	3
12	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
13	Combination of $\mu$ 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
14	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
15	Evaluating registrations of serial sections with distortions of the ground truths. <i>IEEE Access</i> , 2021, , 1-1.	4.2	1
16	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. <i>Diagnostics</i> , 2021, 11, 2078.	2.6	3
17	A Systematic Review of the Influence of Continuous Positive Airway Pressure on Fetal and Newborn Animal Models: Suggestions to Improve Neonatal Respiratory Care. <i>Neonatology</i> , 2021, 118, 5-14.	2.0	3
18	Simvastatin attenuates lung functional and vascular effects of hyperoxia in preterm rabbits. <i>Pediatric Research</i> , 2020, 87, 1193-1200.	2.3	7

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19	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
20	A semi-automated method for unbiased alveolar morphometry: Validation in a bronchopulmonary dysplasia model. <i>PLoS ONE</i> , 2020, 15, e0239562.	2.5	17
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	Digital images of pediatric mental disorders do not accurately represent the conditions. <i>Heliyon</i> , 2020, 6, e05017.	3.2	1
23	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
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	Preterm birth impairs postnatal lung development in the neonatal rabbit model. <i>Respiratory Research</i> , 2020, 21, 59.	3.6	22
26	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
27	A case of severe pseudohyperkalaemia due to muscle contraction. <i>Biochemia Medica</i> , 2020, 30, 331-337.	2.7	4
28	Glomerular developmental delay and proteinuria in the preterm neonatal rabbit. <i>PLoS ONE</i> , 2020, 15, e0241384.	2.5	4
29	Title is missing!. , 2020, 15, e0239562.		0
30	Title is missing!. , 2020, 15, e0239562.		0
31	Title is missing!. , 2020, 15, e0239562.		0
32	Title is missing!. , 2020, 15, e0239562.		0
33	Glomerular developmental delay and proteinuria in the preterm neonatal rabbit. , 2020, 15, e0241384.		0
34	Glomerular developmental delay and proteinuria in the preterm neonatal rabbit. , 2020, 15, e0241384.		0
35	Glomerular developmental delay and proteinuria in the preterm neonatal rabbit. , 2020, 15, e0241384.		0
36	Glomerular developmental delay and proteinuria in the preterm neonatal rabbit. , 2020, 15, e0241384.		0

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37	Glomerular developmental delay and proteinuria in the preterm neonatal rabbit. , 2020, 15, e0241384.		0
38	Glomerular developmental delay and proteinuria in the preterm neonatal rabbit. , 2020, 15, e0241384.		0
39	The proportion of alveolar type 1 cells decreases in murine hypoplastic congenital diaphragmatic hernia lungs. PLoS ONE, 2019, 14, e0214793.	2.5	15
40	Early neuropathological and neurobehavioral consequences of preterm birth in a rabbit model. Scientific Reports, 2019, 9, 3506.	3.3	20
41	Local pulmonary drug delivery in the preterm rabbit: feasibility and efficacy of daily intratracheal injections. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 316, L589-L597.	2.9	17
42	Development of CliniPup, a Serious Game Aimed at Reducing Perioperative Anxiety and Pain in Children: Mixed Methods Study. JMIR Serious Games, 2019, 7, e12429.	3.1	21
43	A Web-Based Serious Game for Health to Reduce Perioperative Anxiety and Pain in Children (CliniPup): Pilot Randomized Controlled Trial. JMIR Serious Games, 2019, 7, e12431.	3.1	21
44	YouTube Videos as a Source of Information About Immunology for Medical Students: Cross-Sectional Study. JMIR Medical Education, 2019, 5, e12605.	2.6	30
45	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. Neonatology, 2018, 113, 275-285.	2.0	21
46	Preclinical evaluation of cell-based strategies to prevent or treat bronchopulmonary dysplasia in animal models: a systematic review. Journal of Maternal-Fetal and Neonatal Medicine, 2018, 31, 958-966.	1.5	11
47	Sildenafil crosses the placenta at therapeutic levels in a dually perfused human cotyledon model. American Journal of Obstetrics and Gynecology, 2018, 219, 619.e1-619.e10.	1.3	22
48	Modelling Bronchopulmonary Dysplasia in Animals: Arguments for the Preterm Rabbit Model. Current Pharmaceutical Design, 2018, 23, 5887-5901.	1.9	20
49	The amniotic fluid as a source of mesenchymal stem cells with lung-specific characteristics. Prenatal Diagnosis, 2017, 37, 1093-1099.	2.3	6
50	Progressive Vascular Functional and Structural Damage in a Bronchopulmonary Dysplasia Model in Preterm Rabbits Exposed to Hyperoxia. International Journal of Molecular Sciences, 2016, 17, 1776.	4.1	28
51	Transplacental sildenafil rescues lung abnormalities in the rabbit model of diaphragmatic hernia. Thorax, 2016, 71, 517-525.	5.6	52
52	Proton-pump inhibitor omeprazole attenuates hyperoxia induced lung injury. Journal of Translational Medicine, 2016, 14, 247.	4.4	18
53	Pulmonary transcriptome analysis in the rabbit model of surgically-induced diaphragmatic hernia treated with fetal tracheal occlusion. DMM Disease Models and Mechanisms, 2016, 9, 221-8.	2.4	18
54	Medical interventions to reverse pulmonary hypoplasia in the animal model of congenital diaphragmatic hernia: A systematic review. Pediatric Pulmonology, 2015, 50, 820-838.	2.0	27

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55	An incidental X-ray finding in a toddler. <i>Journal of Paediatrics and Child Health</i> , 2015, 51, 935-935.	0.8	0
56	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
57	Transcriptome Analysis of the Preterm Rabbit Lung after Seven Days of Hyperoxic Exposure. <i>PLoS ONE</i> , 2015, 10, e0136569.	2.5	21
58	Chronische abdominale pijn bij een adolescent. <i>Tijdschrift Voor Kindergeneeskunde</i> , 2014, 82, 138-142.	0.0	2
59	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
60	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
61	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
62	A Ray of Light for Fetal Therapy. <i>Human Gene Therapy</i> , 2010, 21, 137-139.	2.7	2