

# Augusto F Schmidt

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

755  
citations

516710

16  
h-index

610901

24  
g-index

53  
all docs

53  
docs citations

53  
times ranked

855  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Low-dose betamethasone-acetate for fetal lung maturation in preterm sheep. American Journal of Obstetrics and Gynecology, 2018, 218, 132.e1-132.e9.   | 1.3 | 50        |
| 2  | The efficacy of antenatal steroid therapy is dependent on the duration of low-concentration fetal exposure: evidence from a sheep model of pregnancy. American Journal of Obstetrics and Gynecology, 2018, 219, 301.e1-301.e16. | 1.3 | 40        |
| 3  | Intra-amniotic LPS causes acute neuroinflammation in preterm rhesus macaques. Journal of Neuroinflammation, 2016, 13, 238.  | 7.2 | 39        |
| 4  | Antenatal corticosteroids: a reappraisal of the drug formulation and dose. Pediatric Research, 2021, 89, 318-325.   | 2.3 | 34        |
| 5  | Intra-amniotic <i>Ureaplasma parvum</i> â€“Induced Maternal and Fetal Inflammation and Immune Responses in Rhesus Macaques. Journal of Infectious Diseases, 2016, 214, 1597-1604.   | 4.0 | 32        |
| 6  | Dosing and formulation of antenatal corticosteroids for fetal lung maturation and gene expression in rhesus macaques. Scientific Reports, 2019, 9, 9039.  | 3.3 | 31        |
| 7  | Optimizing antenatal corticosteroid therapy. Seminars in Fetal and Neonatal Medicine, 2019, 24, 176-181.  | 2.3 | 31        |
| 8  | Surfactant plus budesonide decreases lung and systemic inflammation in mechanically ventilated preterm sheep. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 316, L888-L893.                    | 2.9 | 31        |
| 9  | Prenatal retinoic acid improves lung vascularization and VEGF expression in CDH rat. American Journal of Obstetrics and Gynecology, 2012, 207, 76.e25-76.e32.   | 1.3 | 30        |
| 10 | Effects of budesonide and surfactant in preterm fetal sheep. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 315, L193-L201.   | 2.9 | 30        |
| 11 | Antenatal dexamethasone vs. betamethasone dosing for lung maturation in fetal sheep. Pediatric Research, 2017, 81, 496-503.   | 2.3 | 26        |
| 12 | Soluble Klotho, a biomarker and therapeutic strategy to reduce bronchopulmonary dysplasia and pulmonary hypertension in preterm infants. Scientific Reports, 2020, 10, 12368.   | 3.3 | 22        |
| 13 | VEGF receptor expression decreases during lung development in congenital diaphragmatic hernia induced by nitrofen. Brazilian Journal of Medical and Biological Research, 2014, 47, 171-178.                                     | 1.5 | 21        |
| 14 | Evolution of critically ill patients with gastroschisis from three tertiary centers. Clinics, 2011, 66, 17-20.  | 1.5 | 20        |
| 15 | The duration of fetal antenatal steroid exposure determines the durability of preterm ovine lung maturation. American Journal of Obstetrics and Gynecology, 2020, 222, 183.e1-183.e9.   | 1.3 | 19        |
| 16 | Surfactant plus budesonide decreases lung and systemic responses to injurious ventilation in preterm sheep. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L41-L48.                        | 2.9 | 19        |
| 17 | Increased contractility and impaired relaxation of the left pulmonary artery in a rabbit model of congenital diaphragmatic hernia. Pediatric Surgery International, 2013, 29, 489-494.  | 1.4 | 15        |
| 18 | Oral antenatal corticosteroids evaluated in fetal sheep. Pediatric Research, 2019, 86, 589-594.   | 2.3 | 15        |

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|----|--|-----|-----------|
| 19 | Antenatal steroid and tracheal occlusion restore vascular endothelial growth factor receptors in congenital diaphragmatic hernia rat model. <i>American Journal of Obstetrics and Gynecology</i> , 2010, 203, 184.e13-184.e20.   | 1.3 | 14        |
| 20 | Treatment of bowel in experimental gastroschisis with a nitric oxide donor. <i>American Journal of Obstetrics and Gynecology</i> , 2015, 212, 383.e1-383.e7.   | 1.3 | 13        |
| 21 | Oral dosing for antenatal corticosteroids in the Rhesus macaque. <i>PLoS ONE</i> , 2019, 14, e0222817.   | 2.5 | 13        |
| 22 | Neonatal hyperoxia exposure induces aortic biomechanical alterations and cardiac dysfunction in juvenile rats. <i>Physiological Reports</i> , 2020, 8, e14334.   | 1.7 | 13        |
| 23 | Hyperoxia-activated circulating extracellular vesicles induce lung and brain injury in neonatal rats. <i>Scientific Reports</i> , 2021, 11, 8791.  | 3.3 | 13        |
| 24 | Prenatal inflammation enhances antenatal corticosteroid-induced fetal lung maturation. <i>JCI Insight</i> , 2020, 5, .   | 5.0 | 13        |
| 25 | Circulating extracellular vesicles activate the pyroptosis pathway in the brain following ventilation-induced lung injury. <i>Journal of Neuroinflammation</i> , 2021, 18, 310.  | 7.2 | 13        |
| 26 | Mesenchymal Stem Cell-derived Extracellular Vesicles Prevent Experimental Bronchopulmonary Dysplasia Complicated By Pulmonary Hypertension. <i>Stem Cells Translational Medicine</i> , 2022, 11, 828-840.  | 3.3 | 13        |
| 27 | Hydrogel protection: a novel approach to reduce bowel inflammation in experimental gastroschisis. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2010, 148, 35-39.   | 1.1 | 12        |
| 28 | Variability in the efficacy of a standardized antenatal steroid treatment was independent of maternal or fetal plasma drug levels: evidence from a sheep model of pregnancy. <i>American Journal of Obstetrics and Gynecology</i> , 2020, 223, 921.e1-921.e10.                       | 1.3 | 12        |
| 29 | Dose of budesonide with surfactant affects lung and systemic inflammation after normal and injurious ventilation in preterm lambs. <i>Pediatric Research</i> , 2020, 88, 726-732.  | 2.3 | 12        |
| 30 | Betamethasone phosphate reduces the efficacy of antenatal steroid therapy and is associated with lower birthweights when administered to pregnant sheep in combination with betamethasone acetate. <i>American Journal of Obstetrics and Gynecology</i> , 2022, 226, 564.e1-564.e14. | 1.3 | 12        |
| 31 | Inflammatory response in a rat model of gastroschisis is associated with an increase of NF-kappaB. <i>Brazilian Journal of Medical and Biological Research</i> , 2010, 43, 160-165.  | 1.5 | 10        |
| 32 | Comparative Effects of Bone Marrow-derived Versus Umbilical Cord Tissue Mesenchymal Stem Cells in an Experimental Model of Bronchopulmonary Dysplasia. <i>Stem Cells Translational Medicine</i> , 2022, 11, 189-199.   | 3.3 | 9         |
| 33 | The female condom as a temporary silo: A simple and inexpensive tool in the initial management of the newborn with gastroschisis. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2008, 21, 648-651.  | 1.5 | 8         |
| 34 | Assessment of the Expression of IR1 <sup>2</sup> , IRS-1, IRS-2 and IGF-IR1 <sup>2</sup> in a Rat Model of Intrauterine Growth Restriction. <i>Fetal Diagnosis and Therapy</i> , 2010, 28, 145-152.  | 1.4 | 8         |
| 35 | Mass spectrometry imaging as a tool for evaluating the pulmonary distribution of exogenous surfactant in premature lambs. <i>Respiratory Research</i> , 2019, 20, 175.   | 3.6 | 8         |
| 36 | Monitoring intravesical pressure during gastroschisis closure. Does it help to decide between delayed primary or staged closure?. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2012, 25, 1438-1441.  | 1.5 | 7         |

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|----|---|-----|-----------|
| 37 | Does staged closure have a worse prognosis in gastroschisis?. Clinics, 2011, 66, 563-566.   | 1.5 | 6         |
| 38 | Intra-amniotic LPS modulates expression of antimicrobial peptides in the fetal sheep lung. Pediatric Research, 2014, 76, 441-447.   | 2.3 | 6         |
| 39 | Ventilation causes pulmonary vascular dilation and modulates the NOS and VEGF pathway on newborn rats with CDH. Journal of Pediatric Surgery, 2015, 50, 842-848.  | 1.6 | 6         |
| 40 | The cholinergic response is increased in isolated ileum from gastroschisis rat model. Pediatric Surgery International, 2011, 27, 1015-1019.   | 1.4 | 5         |
| 41 | Evaluation of Nitric Oxide (NO) and Nitric Oxide Synthases (NOS) in the Amniotic Fluid in an Experimental Gastroschisis Rat Model. European Journal of Pediatric Surgery, 2011, 21, 362-365.                        | 1.3 | 4         |
| 42 | Chapter for antenatal steroids “ Treatment drift for a potent therapy with unknown long-term safety seminars in fetal and neonatal medicine. Seminars in Fetal and Neonatal Medicine, 2021, 26, 101231.             | 2.3 | 4         |
| 43 | A novel surgical toxicological-free model of diaphragmatic hernia in fetal rats. Pediatric Research, 2022, 92, 118-124.   | 2.3 | 4         |
| 44 | Babies with brain damage who can not swallow: surgical management. Arquivos De Neuro-Psiquiatria, 2008, 66, 641-645.  | 0.8 | 3         |
| 45 | Honeymoon Period in Newborn Rats With CDH Is Associated With Changes in the VEGF Signaling Pathway. Frontiers in Pediatrics, 2021, 9, 698217.   | 1.9 | 3         |
| 46 | The Ideal Timing for Experimental Cleft Lip Creation. Cleft Palate-Craniofacial Journal, 2011, 48, 38-43.   | 0.9 | 2         |
| 47 | Evaluation of histological changes after tracheal occlusion at different gestational ages in a fetal rat model. Clinics, 2013, 68, 59-63.   | 1.5 | 2         |
| 48 | Continuous but not pulsed low-dose fetal betamethasone exposures extend the durability of antenatal steroid therapy. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2022, 322, L784-L793. | 2.9 | 2         |
| 49 | 50 Years Ago in T J P. Journal of Pediatrics, 2020, 217, 19.  | 1.8 | 0         |
| 50 | Surfactant-Assisted Distal Pulmonary Distribution of Budesonide Revealed by Mass Spectrometry Imaging. Pharmaceutics, 2021, 13, 868.  | 4.5 | 0         |