# Tim G A M Wolfs

List of Publications by Year
in descending order

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|---|---|---|---|
| 77 papers | 3,791 citations | 172207 29 h-index | 128067 60 g-index |
| 78 all docs | 78 docs citations | 78 times ranked | 4723 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Inhibition of apoptosis induced by ischemia-reperfusion prevents inflammation. Journal of Clinical Investigation, 1999, 104, 541-549. | 3.9 | 499 |
| 2 | In Vivo Expression of Toll-Like Receptor 2 and 4 by Renal Epithelial Cells: IFN-Î³ and TNF-Î± Mediated Up-Regulation During Inflammation. Journal of Immunology, 2002, 168, 1286-1293. | 0.4 | 406 |
| 3 | Complement Factor C5a Mediates Renal Ischemia-Reperfusion Injury Independent from Neutrophils. Journal of Immunology, 2003, 170, 3883-3889. | 0.4 | 224 |
| 4 | Mesenchymal Stromal Cell-Derived Extracellular Vesicles Protect the Fetal Brain After Hypoxia-Ischemia. Stem Cells Translational Medicine, 2016, 5, 754-763. | 1.6 | 223 |
| 5 | Chorioamnionitis as a Risk Factor for Necrotizing Enterocolitis: AÂSystematic Review and Meta-Analysis. Journal of Pediatrics, 2013, 162, 236-242.e2. | 0.9 | 187 |
| 6 | The Mannose-Binding Lectin-Pathway Is Involved in Complement Activation in the Course of Renal Ischemia-Reperfusion Injury. American Journal of Pathology, 2004, 165, 1677-1688. | 1.9 | 175 |
| 7 | Functional Protection by Acute Phase Proteins Î±<sub>1</sub>-Acid Glycoprotein and Î±<sub>1</sub>-Antitrypsin Against Ischemia/Reperfusion Injury by Preventing Apoptosis and Inflammation. Circulation, 2000, 102, 1420-1426. | 1.6 | 167 |
| 8 | Inhibition of complement factor C5 protects against renal ischemia-reperfusion injury: inhibition of late apoptosis and inflammation1. Transplantation, 2003, 75, 375-382. | 0.5 | 156 |
| 9 | Toll-Like Receptor 4 Ligation on Intrinsic Renal Cells Contributes to the Induction of Antibody-Mediated Glomerulonephritis via CXCL1 and CXCL2. Journal of the American Society of Nephrology: JASN, 2007, 18, 1732-1739. | 3.0 | 97 |
| 10 | Reduction of circulating redox-active iron by apotransferrin protects against renal ischemia-reperfusion injury1. Transplantation, 2004, 77, 669-675. | 0.5 | 87 |
| 11 | Endotoxin Induced Chorioamnionitis Prevents Intestinal Development during Gestation in Fetal Sheep. PLoS ONE, 2009, 4, e5837. | 1.1 | 85 |
| 12 | Mesenchymal Stem Cells Induce T-Cell Tolerance and Protect the Preterm Brain after Global Hypoxia-Ischemia. PLoS ONE, 2013, 8, e73031. | 1.1 | 78 |
| 13 | Cerebral inflammation and mobilization of the peripheral immune system following global hypoxia-ischemia in preterm sheep. Journal of Neuroinflammation, 2013, 10, 13. | 3.1 | 74 |
| 14 | APOPTOSIS AND CHEMOKINE INDUCTION AFTER RENAL ISCHEMIA-REPERFUSION1. Transplantation, 2001, 71, 1007-1011. | 0.5 | 63 |
| 15 | Chorioamnionitis, neuroinflammation, and injury: timing is key in the preterm ovine fetus. Journal of Neuroinflammation, 2018, 15, 113. | 3.1 | 63 |
| 16 | Human perinatal immunity in physiological conditions and during infection. Molecular and Cellular Pediatrics, 2017, 4, 4. | 1.0 | 58 |
| 17 | Preterm Brain Injury, Antenatal Triggers, and Therapeutics: Timing Is Key. Cells, 2020, 9, 1871. | 1.8 | 58 |
| 18 | Localization of the lipopolysaccharide recognition complex in the human healthy and inflamed premature and adult gut. Inflammatory Bowel Diseases, 2010, 16, 68-75. | 0.9 | 54 |

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|---|---|---|---|
| 19 | Chorioamnionitis-induced fetal gut injury is mediated by direct gut exposure of inflammatory mediators or by lung inflammation. American Journal of Physiology - Renal Physiology, 2014, 306, G382-G393. | 1.6 | 51 |
| 20 | IL-1Î± Mediated Chorioamnionitis Induces Depletion of FoxP3+ Cells and Ileal Inflammation in the Ovine Fetal Gut. PLoS ONE, 2011, 6, e18355. | 1.1 | 48 |
| 21 | Lysophosphatidic Acid Prevents Renal Ischemia-Reperfusion Injury by Inhibition of Apoptosis and Complement Activation. American Journal of Pathology, 2003, 163, 47-56. | 1.9 | 47 |
| 22 | Annexin A1 as Neuroprotective Determinant for Blood-Brain Barrier Integrity in Neonatal Hypoxic-Ischemic Encephalopathy. Journal of Clinical Medicine, 2019, 8, 137. | 1.0 | 47 |
| 23 | Inflammation-induced immune suppression of the fetus: a potential link between chorioamnionitis and postnatal early onset sepsis. Journal of Maternal-Fetal and Neonatal Medicine, 2012, 25, 8-11. | 0.7 | 46 |
| 24 | Apoptotic Cell Death Is Initiated During Normothermic Ischemia in Human Kidneys. American Journal of Transplantation, 2005, 5, 68-75. | 2.6 | 45 |
| 25 | Exogenous alpha-1-Acid Glycoprotein Protects against Renal Ischemia-Reperfusion Injury by Inhibition of Inflammation and Apoptosis. Transplantation, 2004, 78, 1116-1124. | 0.5 | 38 |
| 26 | Effects of Intra-Amniotic Lipopolysaccharide and Maternal Betamethasone on Brain Inflammation in Fetal Sheep. PLoS ONE, 2013, 8, e81644. | 1.1 | 37 |
| 27 | Acute LPS sensitization and continuous infusion exacerbates hypoxic brain injury in a piglet model of neonatal encephalopathy. Scientific Reports, 2019, 9, 10184. | 1.6 | 36 |
| 28 | Noninvasive measurement of intestinal epithelial damage at time of refeeding can predict clinical outcome after necrotizing enterocolitis. Pediatric Research, 2013, 73, 209-213. | 1.1 | 31 |
| 29 | Intraamniotic Lipopolysaccharide Exposure Changes Cell Populations and Structure of the Ovine Fetal Thymus. Reproductive Sciences, 2013, 20, 946-956. | 1.1 | 31 |
| 30 | Multipotent adult progenitor cells for hypoxic-ischemic injury in the preterm brain. Journal of Neuroinflammation, 2015, 12, 241. | 3.1 | 29 |
| 31 | Ovine Fetal Thymus Response to Lipopolysaccharide-Induced Chorioamnionitis and Antenatal Corticosteroids. PLoS ONE, 2012, 7, e38257. | 1.1 | 28 |
| 32 | Increased release of sMD-2 during human endotoxemia and sepsis: A role for endothelial cells. Molecular Immunology, 2008, 45, 3268-3277. | 1.0 | 26 |
| 33 | ACTIVATED CASPASE-1 IS NOT A CENTRAL MEDIATOR OF INFLAMMATION IN THE COURSE OF ISCHEMIA-REPERFUSION1. Transplantation, 2001, 71, 778-784. | 0.5 | 25 |
| 34 | Systemic G-CSF attenuates cerebral inflammation and hypomyelination but does not reduce seizure burden in preterm sheep exposed to global hypoxiaâ€“ischemia. Experimental Neurology, 2013, 250, 293-303. | 2.0 | 25 |
| 35 | Breastâ€Feeding Improves Gut Maturation Compared With Formula Feeding in Preterm Babies. Journal of Pediatric Gastroenterology and Nutrition, 2014, 59, 720-724. | 0.9 | 24 |
| 36 | RAPID PULMONARY EXPRESSION OF ACUTE-PHASE REACTANTS AFTER LOCAL LIPOPOLYSACCHARIDE EXPOSURE IN MICE IS FOLLOWED BY AN INTERLEUKIN-6 MEDIATED SYSTEMIC ACUTE-PHASE RESPONSE. Experimental Lung Research, 2005, 31, 855-871. | 0.5 | 22 |

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|---|---|---|---|
| 37 | Selective IL-1Î± exposure to the fetal gut, lung, and chorioamnion/skin causes intestinal inflammatory and developmental changes in fetal sheep. Laboratory Investigation, 2016, 96, 69-80. | 1.7 | 22 |
| 38 | The Paradoxical Effects of Chronic Intra-Amniotic <b><i>Ureaplasma parvum</i></b> Exposure on Ovine Fetal Brain Development. Developmental Neuroscience, 2017, 39, 472-486. | 1.0 | 22 |
| 39 | Intra-amniotic Candida albicans infection induces mucosal injury and inflammation in the ovine fetal intestine. Scientific Reports, 2016, 6, 29806. | 1.6 | 21 |
| 40 | Neuroinflammation and structural injury of the fetal ovine brain following intra-amniotic Candida albicans exposure. Journal of Neuroinflammation, 2016, 13, 29. | 3.1 | 20 |
| 41 | Intestinal fatty acidâ€“binding protein: a possible marker for gut maturation. Pediatric Research, 2014, 76, 261-268. | 1.1 | 19 |
| 42 | An acute intake of plant stanol esters alters immune-related pathways in the jejunum of healthy volunteers. British Journal of Nutrition, 2015, 113, 794-802. | 1.2 | 19 |
| 43 | Electrical stimulation promotes the angiogenic potential of adipose-derived stem cells. Scientific Reports, 2019, 9, 12076. | 1.6 | 19 |
| 44 | Prematurity, perinatal inflammatory stress, and the predisposition to develop chronic kidney disease beyond oligonephropathy. Pediatric Nephrology, 2021, 36, 1673-1681. | 0.9 | 18 |
| 45 | Prophylactic Interleukin-2 Treatment Prevents Fetal Gut Inflammation and Injury in an Ovine Model of Chorioamnionitis. Inflammatory Bowel Diseases, 2015, 21, 2026-2038. | 0.9 | 17 |
| 46 | Responses of the spleen to intraamniotic lipopolysaccharide exposure in fetal sheep. Pediatric Research, 2015, 77, 29-35. | 1.1 | 15 |
| 47 | Mesenchymal stem/stromal cellsâ€”a key mediator for regeneration after perinatal morbidity?. Molecular and Cellular Pediatrics, 2016, 3, 6. | 1.0 | 15 |
| 48 | Loss of enteric neuronal Ndrg4 promotes colorectal cancer via increased release of Nid1 and Fbln2. EMBO Reports, 2021, 22, e51913. | 2.0 | 14 |
| 49 | Can the preterm lung recover from perinatal stress?. Molecular and Cellular Pediatrics, 2016, 3, 15. | 1.0 | 13 |
| 50 | Chronic Intra-Uterine Ureaplasma parvum Infection Induces Injury of the Enteric Nervous System in Ovine Fetuses. Frontiers in Immunology, 2020, 11, 189. | 2.2 | 13 |
| 51 | Pulmonary vascular changes in extremely preterm sheep after intra-amniotic exposure to Ureaplasma parvum and lipopolysaccharide. PLoS ONE, 2017, 12, e0180114. | 1.1 | 13 |
| 52 | Increased levels of deleted in malignant brain tumours 1 (DMBT1) in active bacteriaâ€related appendicitis. Histopathology, 2012, 60, 561-569. | 1.6 | 12 |
| 53 | Systemic interleukin-2 administration improves lung function and modulates chorioamnionitis-induced pulmonary inflammation in the ovine fetus. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L1-L7. | 1.3 | 12 |
| 54 | Altered canonical Wingless-Int signaling in the ovine fetal lung after exposure to intra-amniotic lipopolysaccharide and antenatal betamethasone. Pediatric Research, 2014, 75, 281-287. | 1.1 | 10 |

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|---|---|---|---|
| 55 | Enteral Feeding Interventions in the Prevention of Necrotizing Enterocolitis: A Systematic Review of Experimental and Clinical Studies. Nutrients, 2021, 13, 1726. | 1.7 | 10 |
| 56 | Global Hypoxia-Ischemia Induced Inflammation and Structural Changes in the Preterm Ovine Gut Which Were Not Ameliorated by Mesenchymal Stem Cell Treatment. Molecular Medicine, 2016, 22, 244-257. | 1.9 | 9 |
| 57 | Protection of the Ovine Fetal Gut against Ureaplasma-Induced Chorioamnionitis: A Potential Role for Plant Sterols. Nutrients, 2019, 11, 968. | 1.7 | 9 |
| 58 | Chorioamnionitis induces enteric nervous system injury: effects of timing and inflammation in the ovine fetus. Molecular Medicine, 2020, 26, 82. | 1.9 | 9 |
| 59 | Hypothermia is not therapeutic in a neonatal piglet model of inflammation-sensitized hypoxiaâ€“ischemia. Pediatric Research, 2022, 91, 1416-1427. | 1.1 | 9 |
| 60 | The Effects of Dexamethasone and Oxygen in Ventilated Adult Sheep with Early Phase Acute Respiratory Distress Syndrome. Lung, 2015, 193, 97-103. | 1.4 | 7 |
| 61 | Comparison of ECG-based physiological markers for hypoxia in a preterm ovine model. Pediatric Research, 2016, 79, 907-915. | 1.1 | 6 |
| 62 | Intestinal Goblet Cell Loss during Chorioamnionitis in Fetal Lambs: Mechanistic Insights and Postnatal Implications. International Journal of Molecular Sciences, 2021, 22, 1946. | 1.8 | 6 |
| 63 | Using trend templates in a neonatal seizure algorithm improves detection of short seizures in a foetal ovine model. Physiological Measurement, 2015, 36, 369-384. | 1.2 | 5 |
| 64 | ST waveform analysis for monitoring hypoxic distress in fetal sheep after prolonged umbilical cord occlusion. PLoS ONE, 2018, 13, e0195978. | 1.1 | 5 |
| 65 | Systemic multipotent adult progenitor cells protect the cerebellum after asphyxia in fetal sheep. Stem Cells Translational Medicine, 2021, 10, 57-67. | 1.6 | 5 |
| 66 | Screening of Chorioamnionitis Using Volatile Organic Compound Detection in Exhaled Breath: A Pre-clinical Proof of Concept Study. Frontiers in Pediatrics, 2021, 9, 617906. | 0.9 | 5 |
| 67 | Prophylactic Intra-Uterine Î²-Cyclodextrin Administration during Intra-Uterine Ureaplasma parvum Infection Partly Prevents Liver Inflammation without Interfering with the Enterohepatic Circulation of the Fetal Sheep. Nutrients, 2020, 12, 1312. | 1.7 | 4 |
| 68 | Serial blood cytokine and chemokine mRNA and microRNA over 48â€‰h are insult specific in a piglet model of inflammation-sensitized hypoxiaâ€“ischaemia. Pediatric Research, 2021, 89, 464-475. | 1.1 | 4 |
| 69 | Detection of Volatile Organic Compounds as Potential Novel Biomarkers for Chorioamnionitis â€“ Proof of Experimental Models. Frontiers in Pediatrics, 2021, 9, 698489. | 0.9 | 4 |
| 70 | Sequential Exposure to Antenatal Microbial Triggers Attenuates Alveolar Growth and Pulmonary Vascular Development and Impacts Pulmonary Epithelial Stem/Progenitor Cells. Frontiers in Medicine, 2021, 8, 614239. | 1.2 | 2 |
| 71 | Chorioamnionitis induces changes in ovine pulmonary endogenous epithelial stem/progenitor cells in utero. Pediatric Research, 2021, 90, 549-558. | 1.1 | 2 |
| 72 | Electrospun Scaffolds Functionalized with a Hydrogen Sulfide Donor Stimulate Angiogenesis. ACS Applied Materials & Interfaces, 0, , . | 4.0 | 2 |

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|---|---|---|---|
| 73 | Chorioamnionitis induces hepatic inflammation and time-dependent changes of the enterohepatic circulation in the ovine fetus. Scientific Reports, 2021, 11, 10331. | 1.6 | 1 |
| 74 | Chorioamnionitis Causes Kidney Inflammation, Podocyte Damage, and Pro-fibrotic Changes in Fetal Lambs. Frontiers in Pediatrics, 2022, 10, 796702. | 0.9 | 1 |
| 75 | Sildenafil Postconditioning in a Rat Model of Ventricular Fibrillation/ Resuscitation. Journal of Clinical & Experimental Cardiology, 2017, 08, . | 0.0 | 0 |
| 76 | Why -aVF can be used in STAN as a proxy for scalp electrode-derived signal; reply to comments by Kjellmer et al.. PLoS ONE, 2019, 14, e0221220. | 1.1 | 0 |
| 77 | Prenatal administration of multipotent adult progenitor cells modulates the systemic and cerebral immune response in an ovine model of chorioamnionitis. Brain, Behavior, & Immunity - Health, 2022, , 100458. | 1.3 | 0 |