

# Tim G A M Wolfs

## List of Publications by Citations

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74  
papers

3,118  
citations

26  
h-index

55  
g-index

78  
ext. papers

3,467  
ext. citations

4.9  
avg, IF

4.57  
L-index

#	Paper	IF	Citations
74	Inhibition of apoptosis induced by ischemia-reperfusion prevents inflammation. <i>Journal of Clinical Investigation</i> , <b>1999</b> , 104, 541-9	15.9	444
73	In vivo expression of Toll-like receptor 2 and 4 by renal epithelial cells: IFN-gamma and TNF-alpha mediated up-regulation during inflammation. <i>Journal of Immunology</i> , <b>2002</b> , 168, 1286-93	5.3	373
72	Complement factor C5a mediates renal ischemia-reperfusion injury independent from neutrophils. <i>Journal of Immunology</i> , <b>2003</b> , 170, 3883-9	5.3	198
71	The mannose-binding lectin-pathway is involved in complement activation in the course of renal ischemia-reperfusion injury. <i>American Journal of Pathology</i> , <b>2004</b> , 165, 1677-88	5.8	163
70	Mesenchymal Stromal Cell-Derived Extracellular Vesicles Protect the Fetal Brain After Hypoxia-Ischemia. <i>Stem Cells Translational Medicine</i> , <b>2016</b> , 5, 754-63	6.9	162
69	Functional protection by acute phase proteins alpha(1)-acid glycoprotein and alpha(1)-antitrypsin against ischemia/reperfusion injury by preventing apoptosis and inflammation. <i>Circulation</i> , <b>2000</b> , 102, 1420-6	16.7	152
68	Inhibition of complement factor C5 protects against renal ischemia-reperfusion injury: inhibition of late apoptosis and inflammation. <i>Transplantation</i> , <b>2003</b> , 75, 375-82	1.8	138
67	Chorioamnionitis as a risk factor for necrotizing enterocolitis: a systematic review and meta-analysis. <i>Journal of Pediatrics</i> , <b>2013</b> , 162, 236-42.e2	3.6	127
66	Toll-like receptor 4 ligation on intrinsic renal cells contributes to the induction of antibody-mediated glomerulonephritis via CXCL1 and CXCL2. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2007</b> , 18, 1732-9	12.7	89
65	Reduction of circulating redox-active iron by apotransferrin protects against renal ischemia-reperfusion injury. <i>Transplantation</i> , <b>2004</b> , 77, 669-75	1.8	73
64	Endotoxin induced chorioamnionitis prevents intestinal development during gestation in fetal sheep. <i>PLoS ONE</i> , <b>2009</b> , 4, e5837	3.7	73
63	Cerebral inflammation and mobilization of the peripheral immune system following global hypoxia-ischemia in preterm sheep. <i>Journal of Neuroinflammation</i> , <b>2013</b> , 10, 13	10.1	69
62	Mesenchymal stem cells induce T-cell tolerance and protect the preterm brain after global hypoxia-ischemia. <i>PLoS ONE</i> , <b>2013</b> , 8, e73031	3.7	69
61	Apoptosis and chemokine induction after renal ischemia-reperfusion. <i>Transplantation</i> , <b>2001</b> , 71, 1007-11	1.8	50
60	Localization of the lipopolysaccharide recognition complex in the human healthy and inflamed premature and adult gut. <i>Inflammatory Bowel Diseases</i> , <b>2010</b> , 16, 68-75	4.5	44
59	Lysophosphatidic acid prevents renal ischemia-reperfusion injury by inhibition of apoptosis and complement activation. <i>American Journal of Pathology</i> , <b>2003</b> , 163, 47-56	5.8	44
58	Chorioamnionitis, neuroinflammation, and injury: timing is key in the preterm ovine fetus. <i>Journal of Neuroinflammation</i> , <b>2018</b> , 15, 113	10.1	43

57	Apoptotic cell death is initiated during normothermic ischemia in human kidneys. <i>American Journal of Transplantation</i> , <b>2005</b> , 5, 68-75	8.7	42
56	IL-1 $\beta$ -mediated chorioamnionitis induces depletion of FoxP3 <sup>+</sup> cells and ileal inflammation in the ovine fetal gut. <i>PLoS ONE</i> , <b>2011</b> , 6, e18355	3.7	40
55	Chorioamnionitis-induced fetal gut injury is mediated by direct gut exposure of inflammatory mediators or by lung inflammation. <i>American Journal of Physiology - Renal Physiology</i> , <b>2014</b> , 306, G382-93	5.1	39
54	Human perinatal immunity in physiological conditions and during infection. <i>Molecular and Cellular Pediatrics</i> , <b>2017</b> , 4, 4	3.3	37
53	Inflammation-induced immune suppression of the fetus: a potential link between chorioamnionitis and postnatal early onset sepsis. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , <b>2012</b> , 25 Suppl 1, 8-11 <sup>2</sup>		37
52	Exogenous alpha-1-acid glycoprotein protects against renal ischemia-reperfusion injury by inhibition of inflammation and apoptosis. <i>Transplantation</i> , <b>2004</b> , 78, 1116-24	1.8	32
51	Effects of intra-amniotic lipopolysaccharide and maternal betamethasone on brain inflammation in fetal sheep. <i>PLoS ONE</i> , <b>2013</b> , 8, e81644	3.7	30
50	Intraamniotic lipopolysaccharide exposure changes cell populations and structure of the ovine fetal thymus. <i>Reproductive Sciences</i> , <b>2013</b> , 20, 946-56	3	27
49	Annexin A1 as Neuroprotective Determinant for Blood-Brain Barrier Integrity in Neonatal Hypoxic-Ischemic Encephalopathy. <i>Journal of Clinical Medicine</i> , <b>2019</b> , 8,	5.1	26
48	Acute LPS sensitization and continuous infusion exacerbates hypoxic brain injury in a piglet model of neonatal encephalopathy. <i>Scientific Reports</i> , <b>2019</b> , 9, 10184	4.9	26
47	Multipotent adult progenitor cells for hypoxic-ischemic injury in the preterm brain. <i>Journal of Neuroinflammation</i> , <b>2015</b> , 12, 241	10.1	25
46	Increased release of sMD-2 during human endotoxemia and sepsis: a role for endothelial cells. <i>Molecular Immunology</i> , <b>2008</b> , 45, 3268-77	4.3	25
45	Systemic G-CSF attenuates cerebral inflammation and hypomyelination but does not reduce seizure burden in preterm sheep exposed to global hypoxia-ischemia. <i>Experimental Neurology</i> , <b>2013</b> , 250, 293-303	5.7	24
44	Noninvasive measurement of intestinal epithelial damage at time of refeeding can predict clinical outcome after necrotizing enterocolitis. <i>Pediatric Research</i> , <b>2013</b> , 73, 209-13	3.2	24
43	Ovine fetal thymus response to lipopolysaccharide-induced chorioamnionitis and antenatal corticosteroids. <i>PLoS ONE</i> , <b>2012</b> , 7, e38257	3.7	24
42	Activated caspase-1 is not a central mediator of inflammation in the course of ischemia-reperfusion. <i>Transplantation</i> , <b>2001</b> , 71, 778-84	1.8	23
41	Rapid pulmonary expression of acute-phase reactants after local lipopolysaccharide exposure in mice is followed by an interleukin-6 mediated systemic acute-phase response. <i>Experimental Lung Research</i> , <b>2005</b> , 31, 855-71	2.3	22
40	The Paradoxical Effects of Chronic Intra-Amniotic <i>Ureaplasma parvum</i> Exposure on Ovine Fetal Brain Development. <i>Developmental Neuroscience</i> , <b>2017</b> , 39, 472-486	2.2	19

39	Preterm Brain Injury, Antenatal Triggers, and Therapeutics: Timing Is Key. <i>Cells</i> , <b>2020</b> , 9,	7.9	19
38	An acute intake of plant stanol esters alters immune-related pathways in the jejunum of healthy volunteers. <i>British Journal of Nutrition</i> , <b>2015</b> , 113, 794-802	3.6	18
37	Selective IL-1 $\beta$ exposure to the fetal gut, lung, and chorioamnion/skin causes intestinal inflammatory and developmental changes in fetal sheep. <i>Laboratory Investigation</i> , <b>2016</b> , 96, 69-80	5.9	18
36	Breast-feeding improves gut maturation compared with formula feeding in preterm babies. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , <b>2014</b> , 59, 720-4	2.8	18
35	Neuroinflammation and structural injury of the fetal ovine brain following intra-amniotic <i>Candida albicans</i> exposure. <i>Journal of Neuroinflammation</i> , <b>2016</b> , 13, 29	10.1	14
34	Intestinal fatty acid-binding protein: a possible marker for gut maturation. <i>Pediatric Research</i> , <b>2014</b> , 76, 261-8	3.2	14
33	Responses of the spleen to intraamniotic lipopolysaccharide exposure in fetal sheep. <i>Pediatric Research</i> , <b>2015</b> , 77, 29-35	3.2	13
32	Intra-amniotic <i>Candida albicans</i> infection induces mucosal injury and inflammation in the ovine fetal intestine. <i>Scientific Reports</i> , <b>2016</b> , 6, 29806	4.9	12
31	Prophylactic Interleukin-2 Treatment Prevents Fetal Gut Inflammation and Injury in an Ovine Model of Chorioamnionitis. <i>Inflammatory Bowel Diseases</i> , <b>2015</b> , 21, 2026-38	4.5	12
30	Electrical stimulation promotes the angiogenic potential of adipose-derived stem cells. <i>Scientific Reports</i> , <b>2019</b> , 9, 12076	4.9	11
29	Systemic interleukin-2 administration improves lung function and modulates chorioamnionitis-induced pulmonary inflammation in the ovine fetus. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2016</b> , 310, L1-7	5.8	10
28	Can the preterm lung recover from perinatal stress?. <i>Molecular and Cellular Pediatrics</i> , <b>2016</b> , 3, 15	3.3	10
27	Mesenchymal stem/stromal cells-a key mediator for regeneration after perinatal morbidity?. <i>Molecular and Cellular Pediatrics</i> , <b>2016</b> , 3, 6	3.3	9
26	Altered canonical Wnt signaling in the ovine fetal lung after exposure to intra-amniotic lipopolysaccharide and antenatal betamethasone. <i>Pediatric Research</i> , <b>2014</b> , 75, 281-7	3.2	9
25	Pulmonary vascular changes in extremely preterm sheep after intra-amniotic exposure to <i>Ureaplasma parvum</i> and lipopolysaccharide. <i>PLoS ONE</i> , <b>2017</b> , 12, e0180114	3.7	9
24	Chorioamnionitis induces enteric nervous system injury: effects of timing and inflammation in the ovine fetus. <i>Molecular Medicine</i> , <b>2020</b> , 26, 82	6.2	8
23	Chronic Intra-Uterine Infection Induces Injury of the Enteric Nervous System in Ovine Fetuses. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 189	8.4	8
22	Increased levels of deleted in malignant brain tumours 1 (DMBT1) in active bacteria-related appendicitis. <i>Histopathology</i> , <b>2012</b> , 60, 561-9	7.3	7

21	Global hypoxia-ischemia induced inflammation and structural changes in the preterm ovine gut which were not ameliorated by mesenchymal stem cell treatment. <i>Molecular Medicine</i> , <b>2016</b> , 22, 244-257	6.2	7
20	Protection of the Ovine Fetal Gut against -Induced Chorioamnionitis: A Potential Role for Plant Sterols. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	6
19	The effects of dexamethasone and oxygen in ventilated adult sheep with early phase acute respiratory distress syndrome. <i>Lung</i> , <b>2015</b> , 193, 97-103	2.9	6
18	Loss of enteric neuronal NdrG4 promotes colorectal cancer via increased release of Nid1 and Fbln2. <i>EMBO Reports</i> , <b>2021</b> , 22, e51913	6.5	6
17	Prematurity, perinatal inflammatory stress, and the predisposition to develop chronic kidney disease beyond oligonephropathy. <i>Pediatric Nephrology</i> , <b>2021</b> , 36, 1673-1681	3.2	6
16	Using trend templates in a neonatal seizure algorithm improves detection of short seizures in a foetal ovine model. <i>Physiological Measurement</i> , <b>2015</b> , 36, 369-84	2.9	5
15	ST waveform analysis for monitoring hypoxic distress in fetal sheep after prolonged umbilical cord occlusion. <i>PLoS ONE</i> , <b>2018</b> , 13, e0195978	3.7	5
14	Hypothermia is not therapeutic in a neonatal piglet model of inflammation-sensitized hypoxia-ischemia. <i>Pediatric Research</i> , <b>2021</b> ,	3.2	5
13	Comparison of ECG-based physiological markers for hypoxia in a preterm ovine model. <i>Pediatric Research</i> , <b>2016</b> , 79, 907-15	3.2	4
12	Serial blood cytokine and chemokine mRNA and microRNA over 48 h are insult specific in a piglet model of inflammation-sensitized hypoxia-ischaemia. <i>Pediatric Research</i> , <b>2021</b> , 89, 464-475	3.2	4
11	Intestinal Goblet Cell Loss during Chorioamnionitis in Fetal Lambs: Mechanistic Insights and Postnatal Implications. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	4
10	Systemic multipotent adult progenitor cells protect the cerebellum after asphyxia in fetal sheep. <i>Stem Cells Translational Medicine</i> , <b>2021</b> , 10, 57-67	6.9	3
9	Prophylactic Intra-Uterine $\beta$ Cyclodextrin Administration during Intra-Uterine Infection Partly Prevents Liver Inflammation without Interfering with the Enterohepatic Circulation of the Fetal Sheep. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	2
8	Chorioamnionitis induces changes in ovine pulmonary endogenous epithelial stem/progenitor cells in utero. <i>Pediatric Research</i> , <b>2021</b> , 90, 549-558	3.2	1
7	Screening of Chorioamnionitis Using Volatile Organic Compound Detection in Exhaled Breath: A Pre-clinical Proof of Concept Study. <i>Frontiers in Pediatrics</i> , <b>2021</b> , 9, 617906	3.4	1
6	Sequential Exposure to Antenatal Microbial Triggers Attenuates Alveolar Growth and Pulmonary Vascular Development and Impacts Pulmonary Epithelial Stem/Progenitor Cells. <i>Frontiers in Medicine</i> , <b>2021</b> , 8, 614239	4.9	0
5	Detection of Volatile Organic Compounds as Potential Novel Biomarkers for Chorioamnionitis - Proof of Experimental Models. <i>Frontiers in Pediatrics</i> , <b>2021</b> , 9, 698489	3.4	0
4	Chorioamnionitis Causes Kidney Inflammation, Podocyte Damage, and Pro-fibrotic Changes in Fetal Lambs.. <i>Frontiers in Pediatrics</i> , <b>2022</b> , 10, 796702	3.4	0

- 3 Chorioamnionitis induces hepatic inflammation and time-dependent changes of the enterohepatic circulation in the ovine fetus. *Scientific Reports*, **2021**, 11, 10331 4.9
- 2 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 3.7
- 1 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 5.1