Derek Miller

List of Publications by Year
in descending order

44 papers	2,170 citations	201575 27 h-index	243529 44 g-index
50 all docs	50 docs citations	50 times ranked	1542 citing authors

#	Article	IF	Citations
1	An M1-like Macrophage Polarization in Decidual Tissue during Spontaneous Preterm Labor That Is Attenuated by Rosiglitazone Treatment. Journal of Immunology, 2016, 196, 2476-2491.	0.4	147
2	Effector and Activated T Cells Induce Preterm Labor and Birth That Is Prevented by Treatment with Progesterone. Journal of Immunology, 2019, 202, 2585-2608.	0.4	120
3	Maternal-fetal immune responses in pregnant women infected with SARS-CoV-2. Nature Communications, 2022, 13, 320.	5.8	117
4	Intraâ€Amniotic Administration of HMGB1 Induces Spontaneous Preterm Labor and Birth. American Journal of Reproductive Immunology, 2016, 75, 3-7.	1.2	114
5	Are amniotic fluid neutrophils in women with intraamniotic infection and/or inflammation of fetal or maternal origin?. American Journal of Obstetrics and Gynecology, 2017, 217, 693.e1-693.e16.	0.7	113
6	Inflammasomes: Their Role in Normal and Complicated Pregnancies. Journal of Immunology, 2019, 203, 2757-2769.	0.4	96
7	Innate lymphoid cells at the human maternalâ€fetal interface in spontaneous preterm labor. American Journal of Reproductive Immunology, 2018, 79, e12820.	1.2	94
8	Intra-amniotic inflammation induces preterm birth by activating the NLRP3 inflammasomeâ€. Biology of Reproduction, 2019, 100, 1290-1305.	1.2	89
9	Inhibition of the NLRP3 inflammasome can prevent sterile intra-amniotic inflammation, preterm labor/birth, and adverse neonatal outcomesâ€. Biology of Reproduction, 2019, 100, 1306-1318.	1.2	79
10	Innate Lymphoid Cells in the Maternal and Fetal Compartments. Frontiers in Immunology, 2018, 9, 2396.	2.2	76
11	The immunophenotype of amniotic fluid leukocytes in normal and complicated pregnancies. American Journal of Reproductive Immunology, 2018, 79, e12827.	1.2	75
12	Clinical chorioamnionitis at term VII: the amniotic fluid cellular immune response. Journal of Perinatal Medicine, 2017, 45, 523-538.	0.6	74
13	Regulatory T Cells Play a Role in a Subset of Idiopathic Preterm Labor/Birth and Adverse Neonatal Outcomes. Cell Reports, 2020, 32, 107874.	2.9	71
14	Neutrophil Extracellular Traps in the Amniotic Cavity of Women with Intra-Amniotic Infection: A New Mechanism of Host Defense. Reproductive Sciences, 2017, 24, 1139-1153.	1.1	56
15	Inflammation-Induced Adverse Pregnancy and Neonatal Outcomes Can Be Improved by the Immunomodulatory Peptide Exendin-4. Frontiers in Immunology, 2018, 9, 1291.	2.2	55
16	Maternal and fetal T cells in term pregnancy and preterm labor. Cellular and Molecular Immunology, 2020, 17, 693-704.	4.8	52
17	Intra-Amniotic Infection with Ureaplasma parvum Causes Preterm Birth and Neonatal Mortality That Are Prevented by Treatment with Clarithromycin. MBio, 2020, 11, .	1.8	51
18	Exhausted and Senescent T Cells at the Maternal-Fetal Interface in Preterm and Term Labor. Journal of Immunology Research, 2019, 2019, 1-16.	0.9	44

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19	Clinical chorioamnionitis at term IX: in vivo evidence of intra-amniotic inflammasome activation. Journal of Perinatal Medicine, 2019, 47, 276-287.	0.6	44
20	Fetal T Cell Activation in the Amniotic Cavity during Preterm Labor: A Potential Mechanism for a Subset of Idiopathic Preterm Birth. Journal of Immunology, 2019, 203, 1793-1807.	0.4	43
21	Cellular immune responses in the pathophysiology of preeclampsia. Journal of Leukocyte Biology, 2021, 111, 237-260.	1.5	43
22	Neutrophil extracellular traps in acute chorioamnionitis: AÂmechanism of host defense. American Journal of Reproductive Immunology, 2017, 77, e12617.	1.2	42
23	CD71+ erythroid cells from neonates born to women with preterm labor regulate cytokine and cellular responses. Journal of Leukocyte Biology, 2018, 103, 761-775.	1.5	40
24	Human Î²â€defensinâ€1: A natural antimicrobial peptide present in amniotic fluid that is increased in spontaneous preterm labor with intraâ€amniotic infection. American Journal of Reproductive Immunology, 2018, 80, e13031.	1.2	39
25	The immunobiology of preterm labor and birth: intra-amniotic inflammation or breakdown of maternalâ€“fetal homeostasis. Reproduction, 2022, 164, R11-R45.	1.1	37
26	Inflammasome assembly in the chorioamniotic membranes during spontaneous labor at term. American Journal of Reproductive Immunology, 2017, 77, e12648.	1.2	35
27	A single-cell atlas of the myometrium in human parturition. JCI Insight, 2022, 7, .	2.3	35
28	Gasdermin D: Evidence of pyroptosis in spontaneous preterm labor with sterile intraâ€amniotic inflammation or intraâ€amniotic infection. American Journal of Reproductive Immunology, 2019, 82, e13184.	1.2	33
29	Microbial burden and inflammasome activation in amniotic fluid of patients with preterm prelabor rupture of membranes. Journal of Perinatal Medicine, 2020, 48, 115-131.	0.6	31
30	Cellular immune responses in amniotic fluid of women with preterm clinical chorioamnionitis. Inflammation Research, 2020, 69, 203-216.	1.6	30
31	RNA Sequencing Reveals Diverse Functions of Amniotic Fluid Neutrophils and Monocytes/Macrophages in Intra-Amniotic Infection. Journal of Innate Immunity, 2021, 13, 63-82.	1.8	29
32	Umbilical cord <scp>CD</scp>71+ erythroid cells are reduced in neonates born to women in spontaneous preterm labor. American Journal of Reproductive Immunology, 2016, 76, 280-284.	1.2	28
33	Human Î²-defensin-3 participates in intra-amniotic host defense in women with labor at term, spontaneous preterm labor and intact membranes, and preterm prelabor rupture of membranes. Journal of Maternal-Fetal and Neonatal Medicine, 2020, 33, 4117-4132.	0.7	23
34	The immunophenotype of decidual macrophages in acute atherosis. American Journal of Reproductive Immunology, 2019, 81, e13098.	1.2	16
35	Distinct Cellular Immune Responses to SARS-CoV-2 in Pregnant Women. Journal of Immunology, 2022, 208, 1857-1872.	0.4	16
36	Transcriptome changes in maternal peripheral blood during term parturition mimic perturbations preceding spontaneous preterm birth. Biology of Reproduction, 2022, 106, 185-199.	1.2	14

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37	The alarmin S100A12 causes sterile inflammation of the human chorioamniotic membranes as well as preterm birth and neonatal mortality in mice. Biology of Reproduction, 2021, 105, 1494-1509.	1.2	13
38	IL-22 Plays a Dual Role in the Amniotic Cavity: Tissue Injury and Host Defense against Microbes in Preterm Labor. Journal of Immunology, 2022, 208, 1595-1615.	0.4	11
39	The Distinct Immune Nature of the Fetal Inflammatory Response Syndrome Type I and Type II. ImmunoHorizons, 2021, 5, 735-751.	0.8	10
40	Cellular immune responses in amniotic fluid of women with a sonographic short cervix. Journal of Perinatal Medicine, 2020, 48, 665-676.	0.6	9
41	Gasdermin D:in vivoevidence of pyroptosis in spontaneous labor at term. Journal of Maternal-Fetal and Neonatal Medicine, 2021, 34, 569-579.	0.7	8
42	Specific innate immune cells uptake fetal antigen and display homeostatic phenotypes in the maternal circulation. Journal of Leukocyte Biology, 2022, 111, 519-538.	1.5	6
43	Defining a role for Interferon Epsilon in normal and complicated pregnancies. Heliyon, 2022, 8, e09952.	1.4	2
44	Human Chorionic Gonadotropin Modulates the Transcriptome of the Myometrium and Cervix in Late Gestation. Reproductive Sciences, 2021, 28, 2246-2260.	1.1	1