Ramkumar Menon

List of Publications by Citations

216 papers	8,998 citations	51 h-index	86 g-index
231 ext. papers	10,709 ext. citations	3.8 avg, IF	6.62 L-index

#	Paper	IF	Citations
216	The worldwide incidence of preterm birth: a systematic review of maternal mortality and morbidity. *Bulletin of the World Health Organization*, **2010**, 88, 31-8	8.2	1298
215	A Screen of FDA-Approved Drugs for Inhibitors of Zika Virus Infection. *Cell Host and Microbe*, **2016**, 20, 259-70	23.4	329
214	Spontaneous preterm birth, a clinical dilemma: etiologic, pathophysiologic and genetic heterogeneities and racial disparity. *Acta Obstetricia Et Gynecologica Scandinavica*, **2008**, 87, 590-600	3.8	209
213	A role for matrix metalloproteinase-9 in spontaneous rupture of the fetal membranes. *American Journal of Obstetrics and Gynecology*, **1998**, 179, 1248-53	6.4	183
212	Maternal BMI and preterm birth: a systematic review of the literature with meta-analysis. *Journal of Maternal-Fetal and Neonatal Medicine*, **2009**, 22, 957-70	2	145
211	Novel concepts on pregnancy clocks and alarms: redundancy and synergy in human parturition. *Human Reproduction Update*, **2016**, 22, 535-60	15.8	135
210	Oxidative stress damage as a detrimental factor in preterm birth pathology. *Frontiers in Immunology*, **2014**, 5, 567	8.4	134
209	An epigenetic clock for gestational age at birth based on blood methylation data. *Genome Biology*, **2016**, 17, 206	18.3	132
208	Inflammatory cytokine (interleukins 1, 6 and 8 and tumor necrosis factor-alpha) release from cultured human fetal membranes in response to endotoxic lipopolysaccharide mirrors amniotic fluid concentrations. *American Journal of Obstetrics and Gynecology*, **1996**, 174, 1855-61; discussion 1861-2	6.4	128
207	Infection and the role of inflammation in preterm premature rupture of the membranes. *Best Practice and Research in Clinical Obstetrics and Gynaecology*, **2007**, 21, 467-78	4.6	126
206	Programmed cell death (apoptosis) as a possible pathway to metalloproteinase activation and fetal membrane degradation in premature rupture of membranes. *American Journal of Obstetrics and Gynecology*, **2000**, 182, 1468-76	6.4	122
205	Histological evidence of oxidative stress and premature senescence in preterm premature rupture of the human fetal membranes recapitulated in vitro. *American Journal of Pathology*, **2014**, 184, 1740-51	5.8	121
204	The role of matrix degrading enzymes and apoptosis in rupture of membranes. *Journal of the Society for Gynecologic Investigation*, **2004**, 11, 427-37		110
203	Distinct molecular events suggest different pathways for preterm labor and premature rupture of membranes. *American Journal of Obstetrics and Gynecology*, **2001**, 184, 1399-405; discussion 1405-6	6.4	110
202	Expression of inflammatory cytokines (interleukin-1 beta and interleukin-6) in amniochorionic membranes. *American Journal of Obstetrics and Gynecology*, **1995**, 172, 493-500	6.4	110
201	Short fetal leukocyte telomere length and preterm prelabor rupture of the membranes. *PLoS ONE*, **2012**, 7, e31136	3.7	108
200	Collagenolytic enzymes (gelatinases) and their inhibitors in human amniochorionic membrane. *American Journal of Obstetrics and Gynecology*, **1997**, 177, 731-41	6.4	107

199	Preterm prelabor rupture of the membranes: A disease of the fetal membranes. *Seminars in Perinatology*, **2017**, 41, 409-419	3.3	106
198	Chorioamniotic membrane senescence: a signal for parturition?. *American Journal of Obstetrics and Gynecology*, **2015**, 213, 359.e1-16	6.4	96
197	MMP/TIMP imbalance in amniotic fluid during PROM: an indirect support for endogenous pathway to membrane rupture. *Journal of Perinatal Medicine*, **1999**, 27, 362-8	2.7	96
196	A role for the 72 kDa gelatinase (MMP-2) and its inhibitor (TIMP-2) in human parturition, premature rupture of membranes and intraamniotic infection. *Journal of Perinatal Medicine*, **2001**, 29, 308-16	2.7	94
195	Oxidative stress damage-associated molecular signaling pathways differentiate spontaneous preterm birth and preterm premature rupture of the membranes. *Molecular Human Reproduction*, **2016**, 22, 143-57	4.4	90
194	Placental membrane aging and HMGB1 signaling associated with human parturition. *Aging*, **2016**, 8, 216-30	5.6	85
193	Biomarkers of spontaneous preterm birth: an overview of the literature in the last four decades. *Reproductive Sciences*, **2011**, 18, 1046-70	3	83
192	Matrix metalloproteinases-9 in preterm and term human parturition. *The Journal of Maternal-fetal Medicine*, **1999**, 8, 213-9		83
191	An evolutionary genomic approach to identify genes involved in human birth timing. *PLoS Genetics*, **2011**, 7, e1001365	6	81
190	HMGB1 promotes a p38MAPK associated non-infectious inflammatory response pathway in human fetal membranes. *PLoS ONE*, **2014**, 9, e113799	3.7	75
189	Senescence of primary amniotic cells via oxidative DNA damage. *PLoS ONE*, **2013**, 8, e83416	3.7	74
188	Fetal DNA Methylation Associates with Early Spontaneous Preterm Birth and Gestational Age. *PLoS ONE*, **2013**, 8, e67489	3.7	72
187	Amnion-Epithelial-Cell-Derived Exosomes Demonstrate Physiologic State of Cell under Oxidative Stress. *PLoS ONE*, **2016**, 11, e0157614	3.7	72
186	Human fetal membranes at term: Dead tissue or signalers of parturition?. *Placenta*, **2016**, 44, 1-5	3.4	71
185	Diversity in cytokine response to bacteria associated with preterm birth by fetal membranes. *American Journal of Obstetrics and Gynecology*, **2009**, 201, 306.e1-6	6.4	69
184	Oxygen tension regulates the miRNA profile and bioactivity of exosomes released from extravillous trophoblast cells - Liquid biopsies for monitoring complications of pregnancy. *PLoS ONE*, **2017**, 12, e0174514	3.7	68
183	Multilocus interactions at maternal tumor necrosis factor-alpha, tumor necrosis factor receptors, interleukin-6 and interleukin-6 receptor genes predict spontaneous preterm labor in European-American women. *American Journal of Obstetrics and Gynecology*, **2006**, 194, 1616-24	6.4	68
182	Outcomes of Congenital Zika Disease Depend on Timing of Infection and Maternal-Fetal Interferon Action. *Cell Reports*, **2017**, 21, 1588-1599	10.6	66

181	Amniotic Fluid Exosome Proteomic Profile Exhibits Unique Pathways of Term and Preterm Labor. *Endocrinology*, **2018**, 159, 2229-2240	4.8	65
180	Intraamniotic Inflammation in Women with Preterm Prelabor Rupture of Membranes. *PLoS ONE*, **2015**, 10, e0133929	3.7	64
179	Organ culture of amniochorionic membrane in vitro. *American Journal of Reproductive Immunology*, **1994**, 32, 184-7	3.8	64
178	Telomere Fragment Induced Amnion Cell Senescence: A Contributor to Parturition?. *PLoS ONE*, **2015**, 10, e0137188	3.7	64
177	A genetic association study of maternal and fetal candidate genes that predispose to preterm prelabor rupture of membranes (PROM). *American Journal of Obstetrics and Gynecology*, **2010**, 203, 361.e1-361.e30	6.4	63
176	Amniotic fluid metabolomic analysis in spontaneous preterm birth. *Reproductive Sciences*, **2014**, 21, 791-803	3	58
175	Damage-Associated molecular pattern markers HMGB1 and cell-Free fetal telomere fragments in oxidative-Stressed amnion epithelial cell-Derived exosomes. *Journal of Reproductive Immunology*, **2017**, 123, 3-11	4.2	57
174	Patterns of cytokine profiles differ with pregnancy outcome and ethnicity. *Human Reproduction*, **2008**, 23, 1902-9	5.7	57
173	An overview of racial disparities in preterm birth rates: caused by infection or inflammatory response?. *Acta Obstetricia Et Gynecologica Scandinavica*, **2011**, 90, 1325-31	3.8	56
172	Interleukin-10 inhibition of interleukin-6 in human amniochorionic membrane: transcriptional regulation. *American Journal of Obstetrics and Gynecology*, **1996**, 175, 1057-65	6.4	56
171	Amniotic fluid interleukin-1beta and interleukin-8 concentrations: racial disparity in preterm birth. *Reproductive Sciences*, **2007**, 14, 253-9	3	54
170	Circulating Exosomal miRNA Profile During Term and Preterm Birth Pregnancies: A Longitudinal Study. *Endocrinology*, **2019**, 160, 249-275	4.8	54
169	Mechanistic Differences Leading to Infectious and Sterile Inflammation. *American Journal of Reproductive Immunology*, **2016**, 75, 505-18	3.8	53
168	Racial disparity in pathophysiologic pathways of preterm birth based on genetic variants. *Reproductive Biology and Endocrinology*, **2009**, 7, 62	5	53
167	Interleukin-10 and transforming growth factor-beta inhibit amniochorion tumor necrosis factor-alpha production by contrasting mechanisms of action: therapeutic implications in prematurity. *American Journal of Obstetrics and Gynecology*, **1997**, 177, 803-9	6.4	52
166	Amniotic fluid eicosanoids in preterm and term births: effects of risk factors for spontaneous preterm labor. *Obstetrics and Gynecology*, **2011**, 118, 121-134	4.9	51
165	Preterm birth in Caucasians is associated with coagulation and inflammation pathway gene variants. *PLoS ONE*, **2008**, 3, e3283	3.7	51
164	Differences in the placental membrane cytokine response: a possible explanation for the racial disparity in preterm birth. *American Journal of Reproductive Immunology*, **2006**, 56, 112-8	3.8	50

163	Support for an infection-induced apoptotic pathway in human fetal membranes. *American Journal of Obstetrics and Gynecology*, **2001**, 184, 1392-7; discussion 1397-8	6.4	50
162	Differential senescence in feto-maternal tissues during mouse pregnancy. *Placenta*, **2016**, 43, 26-34	3.4	50
161	Mitochondrial role in adaptive response to stress conditions in preeclampsia. *Scientific Reports*, **2016**, 6, 32410	4.9	49
160	Spontaneous preterm birth in African Americans is associated with infection and inflammatory response gene variants. *American Journal of Obstetrics and Gynecology*, **2009**, 200, 209.e1-27	6.4	49
159	The effect of transforming growth factor and interleukin-10 on interleukin-8 release by human amniochorion may regulate histologic chorioamnionitis. *American Journal of Obstetrics and Gynecology*, **1998**, 179, 794-9	6.4	49
158	Feto-Maternal Trafficking of Exosomes in Murine Pregnancy Models. *Frontiers in Pharmacology*, **2016**, 7, 432	5.6	49
157	Exosomes Cause Preterm Birth in Mice: Evidence for Paracrine Signaling in Pregnancy. *Scientific Reports*, **2019**, 9, 608	4.9	48
156	Programmed Fetal Membrane Senescence and Exosome-Mediated Signaling: A Mechanism Associated With Timing of Human Parturition. *Frontiers in Endocrinology*, **2017**, 8, 196	5.7	48
155	TNF-alpha promotes caspase activation and apoptosis in human fetal membranes. *Journal of Assisted Reproduction and Genetics*, **2002**, 19, 201-4	3.4	48
154	Amnion epithelial cell-derived exosomes induce inflammatory changes in uterine cells. *American Journal of Obstetrics and Gynecology*, **2018**, 219, 478.e1-478.e21	6.4	48
153	Genetic regulation of amniotic fluid TNF-alpha and soluble TNF receptor concentrations affected by race and preterm birth. *Human Genetics*, **2008**, 124, 243-53	6.3	47
152	Fetal membrane inflammatory cytokines: a switching mechanism between the preterm premature rupture of the membranes and preterm labor pathways. *Journal of Perinatal Medicine*, **2004**, 32, 391-9	2.7	47
151	Ethnic differences in key candidate genes for spontaneous preterm birth: TNF-alpha and its receptors. *Human Heredity*, **2006**, 62, 107-18	1.1	46
150	Fetal membrane architecture, aging and inflammation in pregnancy and parturition. *Placenta*, **2019**, 79, 40-45	3.4	46
149	Cervical microbiota in women with preterm prelabor rupture of membranes. *PLoS ONE*, **2015**, 10, e0126884	3.7	45
148	Placental exosomes: A proxy to understand pregnancy complications. *American Journal of Reproductive Immunology*, **2018**, 79, e12788	3.8	45
147	Bacterial modulation of human fetal membrane Toll-like receptor expression. *American Journal of Reproductive Immunology*, **2013**, 69, 33-40	3.8	43
146	DNA methylation: an epigenetic risk factor in preterm birth. *Reproductive Sciences*, **2012**, 19, 6-13	3	43

145	A distinct mechanism of senescence activation in amnion epithelial cells by infection, inflammation, and oxidative stress. *American Journal of Reproductive Immunology*, **2018**, 79, e12790	3.8	43
144	Interleukin-6 (IL-6) and receptor (IL6-R) gene haplotypes associate with amniotic fluid protein concentrations in preterm birth. *Human Molecular Genetics*, **2008**, 17, 1619-30	5.6	42
143	Racial disparity in amniotic fluid concentrations of tumor necrosis factor (TNF)-alpha and soluble TNF receptors in spontaneous preterm birth. *American Journal of Obstetrics and Gynecology*, **2008**, 198, 533.e1-10	6.4	42
142	Cyclic-recombinase-reporter mouse model to determine exosome communication and function during pregnancy. *American Journal of Obstetrics and Gynecology*, **2019**, 221, 502.e1-502.e12	6.4	41
141	Quantitative Proteomics by SWATH-MS of Maternal Plasma Exosomes Determine Pathways Associated With Term and Preterm Birth. *Endocrinology*, **2019**, 160, 639-650	4.8	39
140	DNA methylation provides insight into intergenerational risk for preterm birth in African Americans. *Epigenetics*, **2015**, 10, 784-92	5.7	38
139	Fetal DNA methylation of autism spectrum disorders candidate genes: association with spontaneous preterm birth. *American Journal of Obstetrics and Gynecology*, **2015**, 212, 533.e1-9	6.4	38
138	Reversible EMT and MET mediate amnion remodeling during pregnancy and labor. *Science Signaling* , **2020**, 13,	8.8	37
137	Proteomic biomarkers for spontaneous preterm birth: a systematic review of the literature. *Reproductive Sciences*, **2014**, 21, 283-95	3	36
136	p38 Mitogen activated protein kinase (MAPK): a new therapeutic target for reducing the risk of adverse pregnancy outcomes. *Expert Opinion on Therapeutic Targets*, **2016**, 20, 1397-1412	6.4	36
135	Discovery and Characterization of Human Amniochorionic Membrane Microfractures. *American Journal of Pathology*, **2017**, 187, 2821-2830	5.8	35
134	Association of genetic variants, ethnicity and preterm birth with amniotic fluid cytokine concentrations. *Annals of Human Genetics*, **2010**, 74, 165-83	2.2	35
133	Expression of TNF-alpha and TNFR p55 in cultured amniochorion. *American Journal of Reproductive Immunology*, **1994**, 32, 188-93	3.8	35
132	Preterm birth and its long-term effects: methylation to mechanisms. *Biology*, **2014**, 3, 498-513	4.9	33
131	The influence of the vaginal microbiota on preterm birth: A systematic review and recommendations for a minimum dataset for future research. *Placenta*, **2019**, 79, 30-39	3.4	32
130	Gestational tissue inflammatory biomarkers at term labor: A□systematic review of literature. *American Journal of Reproductive Immunology*, **2018**, 79, e12776	3.8	32
129	Oxidative stress induces p38MAPK-dependent senescence in the feto-maternal interface cells. *Placenta*, **2018**, 67, 15-23	3.4	31
128	Proliferative, Migratory, and Transition Properties Reveal Metastate of Human Amnion□Cells. *American Journal of Pathology*, **2018**, 188, 2004-2015	5.8	30

127	Does exposure to flame retardants increase the risk for preterm birth?. *Journal of Reproductive Immunology*, **2015**, 107, 20-5	4.2	29
126	Racial disparity in maternal-fetal genetic epistasis in spontaneous preterm birth. *American Journal of Obstetrics and Gynecology*, **2008**, 198, 666.e1-9; discussion 666.e9-10	6.4	29
125	Placental Exosomes During Gestation: Liquid Biopsies Carrying Signals for the Regulation of Human Parturition. *Current Pharmaceutical Design*, **2018**, 24, 974-982	3.3	29
124	Placental telomere shortening in stillbirth: a sign of premature senescence?. *Journal of Maternal-Fetal and Neonatal Medicine*, **2016**, 29, 1283-8	2	28
123	High bisphenol A (BPA) concentration in the maternal, but not fetal, compartment increases the risk of spontaneous preterm delivery. *Journal of Maternal-Fetal and Neonatal Medicine*, **2016**, 29, 3583-9	2	28
122	Initiation of human parturition: signaling from senescent fetal tissues via extracellular vesicle mediated paracrine mechanism. *Obstetrics and Gynecology Science*, **2019**, 62, 199-211	1.9	28
121	Expression of 8-oxoguanine glycosylase in human fetal membranes. *American Journal of Reproductive Immunology*, **2014**, 72, 75-84	3.8	28
120	Amniotic fluid and maternal race influence responsiveness of fetal membranes to bacteria. *Journal of Reproductive Immunology*, **2012**, 96, 68-78	4.2	28
119	Salivary proteinase activity: a potential biomarker for preterm premature rupture of the membranes. *American Journal of Obstetrics and Gynecology*, **2006**, 194, 1609-15; discussion 1615	6.4	28
118	Amnion membrane organ-on-chip: an innovative approach to study cellular interactions. *FASEB Journal*, **2019**, 33, 8945-8960	0.9	27
117	Oxidative stress-induced TGF-beta/TAB1-mediated p38MAPK activation in human amnion epithelial cells. *Biology of Reproduction*, **2018**, 99, 1100-1112	3.9	27
116	Multivariate adaptive regression splines analysis to predict biomarkers of spontaneous preterm birth. *Acta Obstetricia Et Gynecologica Scandinavica*, **2014**, 93, 382-91	3.8	27
115	Racial disparity in membrane response to infectious stimuli: a possible explanation for observed differences in the incidence of prematurity. Community Award Paper. *American Journal of Obstetrics and Gynecology*, **2004**, 190, 1557-62; discussion 1562-3	6.4	27
114	Can statins reduce the inflammatory response associated with preterm birth in an animal model?. *American Journal of Obstetrics and Gynecology*, **2012**, 207, 224.e1-7	6.4	26
113	Biomarkers of spontaneous preterm birth: a systematic review of studies using multiplex analysis. *Journal of Perinatal Medicine*, **2017**, 45, 71-84	2.7	25
112	Environmental Pollutant Polybrominated Diphenyl Ether, a Flame Retardant, Induces Primary Amnion Cell Senescence. *American Journal of Reproductive Immunology*, **2015**, 74, 398-406	3.8	25
111	Evidence for lysosomal biogenesis proteome defect and impaired autophagy in preeclampsia. *Autophagy*, **2020**, 16, 1771-1785	10.2	25
110	Positive and negative effects of cellular senescence during female reproductive aging and pregnancy. *Journal of Endocrinology*, **2016**, 230, R59-76	4.7	25

109	Collagenase-3 (MMP-13) in fetal membranes and amniotic fluid during pregnancy. *American Journal of Reproductive Immunology*, **2003**, 49, 120-5	3.8	23
108	Amniochorion: a source of interleukin-8. *American Journal of Reproductive Immunology*, **1995**, 34, 156-62	3.8	23
107	Oxidative stress induces senescence and sterile inflammation in murine amniotic cavity. *Placenta*, **2018**, 63, 26-31	3.4	22
106	Redefining 3Dimensional placental membrane microarchitecture using multiphoton microscopy and optical clearing. *Placenta*, **2017**, 53, 66-75	3.4	21
105	Organ-On-Chip Technology: The Future of Feto-Maternal Interface Research?. *Frontiers in Physiology*, **2020**, 11, 715	4.6	21
104	Microbial load of umbilical cord blood Ureaplasma species and Mycoplasma hominis in preterm prelabor rupture of membranes. *Journal of Maternal-Fetal and Neonatal Medicine*, **2014**, 27, 1627-32	2	20
103	Protein Profile Changes in Circulating Placental Extracellular Vesicles in Term and Preterm Births: A Longitudinal Study. *Endocrinology*, **2020**, 161,	4.8	19
102	Fetal Membranes, Not a Mere Appendage of the Placenta, but a Critical Part of the Fetal-Maternal Interface Controlling Parturition. *Obstetrics and Gynecology Clinics of North America*, **2020**, 47, 147-162	3.3	19
101	Exosomal delivery of NF-Β inhibitor delays LPS-induced preterm birth and modulates fetal immune cell profile in mouse models. *Science Advances*, **2021**, 7,	14.3	19
100	Oxidative stress-induced downregulation of glycogen synthase kinase 3 beta in fetal membranes promotes cellular senescence *Biology of Reproduction*, **2019**, 101, 1018-1030	3.9	18
99	Exploring Inflammatory Mediators in Fetal and Maternal Compartments During Human Parturition. *Obstetrics and Gynecology*, **2019**, 134, 765-773	4.9	18
98	Effect of polybrominated diphenyl ether congeners on placental cytokine production. *Journal of Reproductive Immunology*, **2018**, 125, 72-79	4.2	17
97	Human fetal membrane expression of IL-19 and IL-20 and its differential effect on inflammatory cytokine production. *Journal of Maternal-Fetal and Neonatal Medicine*, **2006**, 19, 209-14	2	17
96	Epidemiology and pathogenesis of maternal-fetal transmission of Trypanosoma cruzi and a case for vaccine development against congenital Chagas disease. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2020**, 1866, 165591	6.9	16
95	Novel pathways of inflammation in human fetal membranes associated with preterm birth and preterm pre-labor rupture of the membranes. *Seminars in Immunopathology*, **2020**, 42, 431-450	12	16
94	Downregulation of peroxiredoxin-3 by hydrophobic bile acid induces mitochondrial dysfunction and cellular senescence in human trophoblasts. *Scientific Reports*, **2016**, 6, 38946	4.9	16
93	Distinct pathophysiologic pathways induced by in vitro infection and cigarette smoke in normal human fetal membranes. *American Journal of Obstetrics and Gynecology*, **2009**, 200, 334.e1-8	6.4	15
92	Preterm birth: a global burden on maternal and child health. *Pathogens and Global Health*, **2012**, 106, 139-40	3.1	15

91	Fetal membrane biomarker network diversity and disease functions induced by intra-amniotic pathogens. *American Journal of Reproductive Immunology*, **2013**, 69, 124-33	3.8	14
90	Interleukin-10 inhibition of gelatinases in fetal membranes: therapeutic implications in preterm premature rupture of membranes. *Obstetrics and Gynecology*, **2001**, 98, 284-8	4.9	14
89	Effects of tributyltin on placental cytokine production. *Journal of Perinatal Medicine*, **2018**, 46, 867-875	2.7	13
88	The Effect of Simvastatin on Infection-Induced Inflammatory Response of Human Fetal Membranes. *American Journal of Reproductive Immunology*, **2015**, 74, 54-61	3.8	13
87	Screening of lysyl oxidase (LOX) and lysyl oxidase like (LOXL) enzyme expression and activity in preterm prelabor rupture of fetal membranes. *Journal of Perinatal Medicine*, **2016**, 44, 99-109	2.7	13
86	Maternal Plasma Metabolomic Profiles in Spontaneous Preterm Birth: Preliminary Results. *Mediators of Inflammation*, **2018**, 2018, 9362820	4.3	13
85	Amniotic fluid markers of oxidative stress in pregnancies complicated by preterm prelabor rupture of membranes. *Journal of Maternal-Fetal and Neonatal Medicine*, **2015**, 28, 1250-1259	2	12
84	Histologic chorioamnionitis does not modulate the oxidative stress and antioxidant status in pregnancies complicated by spontaneous preterm delivery. *BMC Pregnancy and Childbirth*, **2017**, 17, 376	3.2	12
83	Histological evidence of reparative activity in chorioamniotic membrane following open fetal surgery for myelomeningocele. *Experimental and Therapeutic Medicine*, **2017**, 14, 3732-3736	2.1	12
82	Fetal Membrane Organ-On-Chip: An Innovative Approach to Study Cellular Interactions. *Reproductive Sciences*, **2019**, 1933719119828084	3	11
81	Regulation of p38 mitogen-activated kinase-mediated fetal membrane senescence by statins. *American Journal of Reproductive Immunology*, **2018**, 80, e12999	3.8	11
80	Effect of bisphenol-A (BPA) on placental biomarkers for inflammation, neurodevelopment and oxidative stress. *Journal of Perinatal Medicine*, **2019**, 47, 741-749	2.7	11
79	Investigation of genetic risk factors for chronic adult diseases for association with preterm birth. *Human Genetics*, **2013**, 132, 57-67	6.3	11
78	Environmental pollutant induced cellular injury is reflected in exosomes from placental explants. *Placenta*, **2020**, 89, 42-49	3.4	11
77	Combinations and loads of bacteria affect the cytokine production by fetal membranes: An in vitro study. *American Journal of Reproductive Immunology*, **2016**, 76, 504-511	3.8	10
76	A Novel Role for SIRT3 in Regulating Mediators Involved in the Terminal Pathways of Human Labor and Delivery. *Biology of Reproduction*, **2016**, 95, 95	3.9	10
75	Interleukin-10 Inhibition of Gelatinases in Fetal Membranes. *Obstetrics and Gynecology*, **2001**, 98, 284-288	4.9	10
74	Interleukin (IL)-6: A Friend or Foe of Pregnancy and Parturition? Evidence From Functional Studies in Fetal Membrane Cells. *Frontiers in Physiology*, **2020**, 11, 891	4.6	10

73	Modeling ascending infection with a feto-maternal interface organ-on-chip. *Lab on A Chip*, **2020**, 20, 4486-4501	7.2	10
72	Organ-on-chip of the cervical epithelial layer: A platform to study normal and pathological cellular remodeling of the cervix. *FASEB Journal*, **2021**, 35, e21463	0.9	10
71	Fetal membrane extracellular vesicle profiling reveals distinct pathways induced by infection and inflammation in vitro. *American Journal of Reproductive Immunology*, **2020**, 84, e13282	3.8	9
70	Amniotic fluid prostaglandin E2 in pregnancies complicated by preterm prelabor rupture of the membranes. *Journal of Maternal-Fetal and Neonatal Medicine*, **2016**, 29, 2915-23	2	9
69	Amniotic fluid nucleosome in pregnancies complicated by preterm prelabor rupture of the membranes. *Journal of Maternal-Fetal and Neonatal Medicine*, **2014**, 27, 155-61	2	9
68	Preterm Birth Genome Project (PGP) -- validation of resources for preterm birth genome-wide studies. *Journal of Perinatal Medicine*, **2013**, 41, 45-9	2.7	9
67	Geographic ancestry and markers of preterm birth. *Expert Review of Molecular Diagnostics*, **2010**, 10, 27-32	3.8	9
66	Extracellular vesicle mediated feto-maternal HMGB1 signaling induces preterm birth. *Lab on A Chip*, **2021**, 21, 1956-1973	7.2	9
65	Systematic review of p38 mitogen-activated kinase and its functional role in reproductive tissues. *American Journal of Reproductive Immunology*, **2018**, 80, e13047	3.8	9
64	Dexamethasone induces primary amnion epithelial cell senescence through telomere-P21 associated pathway *Biology of Reproduction*, **2019**, 100, 1605-1616	3.9	8
63	Umbilical cord blood markers of oxidative stress in pregnancies complicated by preterm prelabor rupture of membranes. *Journal of Maternal-Fetal and Neonatal Medicine*, **2016**, 29, 1900-10	2	8
62	Group B Streptococcus colonization and higher maternal IL-1 concentrations are associated with early term births. *Journal of Maternal-Fetal and Neonatal Medicine*, **2013**, 26, 56-61	2	8
61	Inflammation, but not infection, induces EMT in human amnion epithelial cells. *Reproduction*, **2020**, 160, 627-638	3.8	8
60	Effects of a gestational level of estradiol on cellular transition, migration, and inflammation in cervical epithelial and stromal cells. *American Journal of Reproductive Immunology*, **2021**, 85, e13370	3.8	8
59	Vitamin D and corticotropin-releasing hormone in term and preterm birth: potential contributions to preterm labor and birth outcome. *Journal of Maternal-Fetal and Neonatal Medicine*, **2018**, 31, 2911-2917	2	8
58	Fetal Membrane Organ-On-Chip: An Innovative Approach to Study Cellular Interactions. *Reproductive Sciences*, **2020**, 27, 1562-1569	3	7
57	Potential Peripartum Markers of Infectious-Inflammatory Complications in Spontaneous Preterm Birth. *BioMed Research International*, **2015**, 2015, 343501	3	7
56	Race and genetics in understanding the complexities of preterm birth. *Expert Review of Obstetrics and Gynecology*, **2009**, 4, 695-704		7

55	Extracellular vesicles in spontaneous preterm birth. *American Journal of Reproductive Immunology*, **2021**, 85, e13353	3.8	7
54	Cervix Stromal Cells and the Progesterone Receptor A Isoform Mediate Effects of Progesterone for Prepartum Remodeling. *Reproductive Sciences*, **2019**, 26, 690-696	3	6
53	Polybacterial stimulation suggests discrete IL-6/IL-6R signaling in human fetal membranes: Potential implications on IL-6 bioactivity. *Journal of Reproductive Immunology*, **2018**, 126, 60-68	4.2	6
52	Methylation differences reveal heterogeneity in preterm pathophysiology: results from bipartite network analyses. *Journal of Perinatal Medicine*, **2018**, 46, 509-521	2.7	6
51	Fetal Membranes: Potential Source of Preterm Birth Biomarkers. *Biomarkers in Disease*, **2015**, 483-529		6
50	Oxidative stress promotes cellular damages in the cervix: implications for normal and pathologic cervical function in human pregnancy *Biology of Reproduction*, **2021**, 105, 204-216	3.9	6
49	Microvesicles and exosomes released by amnion epithelial cells under oxidative stress cause inflammatory changes in uterine cells *Biology of Reproduction*, **2021**, 105, 464-480	3.9	6
48	Pro- and anti-inflammatory effects of sulforaphane on placental cytokine production. *Journal of Reproductive Immunology*, **2019**, 131, 44-49	4.2	6
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