# Ramkumar Menon

List of Publications by Year
in descending order



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|---|---|---|---|
| 229 papers | 12,345 citations | 23567<br>58 h-index | 34986<br>98 g-index |
| 231 all docs | 231 docs citations | 231 times ranked | 10808 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The worldwide incidence of preterm birth: a systematic review of maternal mortality and morbidity. Bulletin of the World Health Organization, 2010, 88, 31-38. | 3.3 | 1,616 |
| 2 | A Screen of FDA-Approved Drugs for Inhibitors of Zika Virus Infection. Cell Host and Microbe, 2016, 20, 259-270. | 11.0 | 420 |
| 3 | Spontaneous preterm birth, a clinical dilemma: Etiologic, pathophysiologic and genetic heterogeneities and racial disparity. Acta Obstetricia Et Gynecologica Scandinavica, 2008, 87, 590-600. | 2.8 | 255 |
| 4 | A role for matrix metalloproteinase-9 in spontaneous rupture of the fetal membranes. American Journal of Obstetrics and Gynecology, 1998, 179, 1248-1253. | 1.3 | 205 |
| 5 | Novel concepts on pregnancy clocks and alarms: redundancy and synergy in human parturition. Human Reproduction Update, 2016, 22, 535-560. | 10.8 | 196 |
| 6 | An epigenetic clock for gestational age at birth based on blood methylation data. Genome Biology, 2016, 17, 206. | 8.8 | 193 |
| 7 | Preterm prelabor rupture of the membranes: A disease of the fetal membranes. Seminars in Perinatology, 2017, 41, 409-419. | 2.5 | 193 |
| 8 | Oxidative Stress Damage as a Detrimental Factor in Preterm Birth Pathology. Frontiers in Immunology, 2014, 5, 567. | 4.8 | 182 |
| 9 | Maternal BMI and preterm birth: A systematic review of the literature with meta-analysis. Journal of Maternal-Fetal and Neonatal Medicine, 2009, 22, 957-970. | 1.5 | 173 |
| 10 | Histological Evidence of Oxidative Stress and Premature Senescence in Preterm Premature Rupture of the Human Fetal Membranes Recapitulated inÂVitro. American Journal of Pathology, 2014, 184, 1740-1751. | 3.8 | 158 |
| 11 | Infection and the role of inflammation in preterm premature rupture of the membranes. Best Practice and Research in Clinical Obstetrics and Gynaecology, 2007, 21, 467-478. | 2.8 | 150 |
| 12 | Inflammatory cytokine (interleukins 1, 6, and 8 and tumor necrosis factor-Î±) release from cultured human fetal membranes in response to endotoxic lipopolysaccharide mirrors amniotic fluid concentrations. American Journal of Obstetrics and Gynecology, 1996, 174, 1855-1862. | 1.3 | 144 |
| 13 | 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, 1468-1476. | 1.3 | 135 |
| 14 | Oxidative stress damage-associated molecular signaling pathways differentiate spontaneous preterm birth and preterm premature rupture of the membranes. Molecular Human Reproduction, 2016, 22, 143-157. | 2.8 | 132 |
| 15 | Short Fetal Leukocyte Telomere Length and Preterm Prelabor Rupture of the Membranes. PLoS ONE, 2012, 7, e31136. | 2.5 | 131 |
| 16 | Distinct molecular events suggest different pathways for preterm labor and premature rupture of membranes. American Journal of Obstetrics and Gynecology, 2001, 184, 1399-1406. | 1.3 | 130 |
| 17 | Expression of inflammatory cytokines (interleukin-1Î² and interleukin-6) in amniochorionic membranes. American Journal of Obstetrics and Gynecology, 1995, 172, 493-500. | 1.3 | 129 |
| 18 | Biomarkers of Spontaneous Preterm Birth: An Overview of The Literature in the Last Four Decades. Reproductive Sciences, 2011, 18, 1046-1070. | 2.5 | 129 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The Role of Matrix Degrading Enzymes and Apoptosis in Repture of Membranes. Journal of the Society for Gynecologic Investigation, 2004, 11, 427-437. | 1.7 | 125 |
| 20 | Chorioamniotic membrane senescence: a signal for parturition?. American Journal of Obstetrics and Gynecology, 2015, 213, 359.e1-359.e16. | 1.3 | 125 |
| 21 | Placental membrane aging and HMGB1 signaling associated with human parturition. Aging, 2016, 8, 216-230. | 3.1 | 122 |
| 22 | Collagenolytic enzymes (gelatinases) and their inhibitors in human amniochorionic membrane. American Journal of Obstetrics and Gynecology, 1997, 177, 731-741. | 1.3 | 116 |
| 23 | 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. | 1.4 | 111 |
| 24 | Fetal membrane architecture, aging and inflammation in pregnancy and parturition. Placenta, 2019, 79, 40-45. | 1.5 | 110 |
| 25 | 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. | 1.4 | 107 |
| 26 | HMGB1 Promotes a p38MAPK Associated Non-Infectious Inflammatory Response Pathway in Human Fetal Membranes. PLoS ONE, 2014, 9, e113799. | 2.5 | 105 |
| 27 | Amnion-Epithelial-Cell-Derived Exosomes Demonstrate Physiologic State of Cell under Oxidative Stress. PLoS ONE, 2016, 11, e0157614. | 2.5 | 102 |
| 28 | Human fetal membranes at term: Dead tissue or signalers of parturition?. Placenta, 2016, 44, 1-5. | 1.5 | 101 |
| 29 | Amniotic Fluid Exosome Proteomic Profile Exhibits Unique Pathways of Term and Preterm Labor. Endocrinology, 2018, 159, 2229-2240. | 2.8 | 101 |
| 30 | Matrix metalloproteinases-9 in preterm and term human parturition. The Journal of Maternal-fetal Medicine, 1999, 8, 213-219. | 0.3 | 100 |
| 31 | Oxygen tension regulates the miRNA profile and bioactivity of exosomes released from extravillous trophoblast cells â€" Liquid biopsies for monitoring complications of pregnancy. PLoS ONE, 2017, 12, e0174514. | 2.5 | 98 |
| 32 | Senescence of Primary Amniotic Cells via Oxidative DNA Damage. PLoS ONE, 2013, 8, e83416. | 2.5 | 97 |
| 33 | An Evolutionary Genomic Approach to Identify Genes Involved in Human Birth Timing. PLoS Genetics, 2011, 7, e1001365. | 3.5 | 96 |
| 34 | Circulating Exosomal miRNA Profile During Term and Preterm Birth Pregnancies: A Longitudinal Study. Endocrinology, 2019, 160, 249-275. | 2.8 | 94 |
| 35 | Fetal DNA Methylation Associates with Early Spontaneous Preterm Birth and Gestational Age. PLoS ONE, 2013, 8, e67489. | 2.5 | 84 |
| 36 | Exosomes Cause Preterm Birth in Mice: Evidence for Paracrine Signaling in Pregnancy. Scientific Reports, 2019, 9, 608. | 3.3 | 84 |

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| 37 | Multilocus interactions at maternal tumor necrosis factor-Î±, 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, 1616-1624. | 1.3 | 83 |
| 38 | Intraamniotic Inflammation in Women with Preterm Prelabor Rupture of Membranes. PLoS ONE, 2015, 10, e0133929. | 2.5 | 83 |
| 39 | Outcomes of Congenital Zika Disease Depend on Timing of Infection and Maternal-Fetal Interferon Action. Cell Reports, 2017, 21, 1588-1599. | 6.4 | 83 |
| 40 | Amnion epithelial cellâ€“derived exosomes induce inflammatory changes in uterine cells. American Journal of Obstetrics and Gynecology, 2018, 219, 478.e1-478.e21. | 1.3 | 82 |
| 41 | Placental exosomes: A proxy to understand pregnancy complications. American Journal of Reproductive Immunology, 2018, 79, e12788. | 1.2 | 79 |
| 42 | 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. | 1.3 | 78 |
| 43 | Diversity in cytokine response to bacteria associated with preterm birth by fetal membranes. American Journal of Obstetrics and Gynecology, 2009, 201, 306.e1-306.e6. | 1.3 | 76 |
| 44 | I. Organ Culture of Amniochorionic Membrane In Vitro. American Journal of Reproductive Immunology, 1994, 32, 184-187. | 1.2 | 75 |
| 45 | 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. | 1.9 | 75 |
| 46 | Feto-Maternal Trafficking of Exosomes in Murine Pregnancy Models. Frontiers in Pharmacology, 2016, 7, 432. | 3.5 | 74 |
| 47 | Telomere Fragment Induced Amnion Cell Senescence: A Contributor to Parturition?. PLoS ONE, 2015, 10, e0137188. | 2.5 | 74 |
| 48 | Differential senescence in feto-maternal tissues during mouse pregnancy. Placenta, 2016, 43, 26-34. | 1.5 | 72 |
| 49 | Reversible EMT and MET mediate amnion remodeling during pregnancy and labor. Science Signaling, 2020, 13, . | 3.6 | 71 |
| 50 | An overview of racial disparities in preterm birth rates: caused by infection or inflammatory response?. Acta Obstetricia Et Gynecologica Scandinavica, 2011, 90, 1325-1331. | 2.8 | 70 |
| 51 | Patterns of cytokine profiles differ with pregnancy outcome and ethnicity. Human Reproduction, 2008, 23, 1902-1909. | 0.9 | 69 |
| 52 | Mechanistic Differences Leading to Infectious and Sterile Inflammation. American Journal of Reproductive Immunology, 2016, 75, 505-518. | 1.2 | 67 |
| 53 | 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. | 1.3 | 67 |
| 54 | Programmed Fetal Membrane Senescence and Exosome-Mediated Signaling: A Mechanism Associated With Timing of Human Parturition. Frontiers in Endocrinology, 2017, 8, 196. | 3.5 | 66 |

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|---|---|---|---|
| 55 | Amniotic Fluid Metabolomic Analysis in Spontaneous Preterm Birth. Reproductive Sciences, 2014, 21, 791-803. | 2.5 | 64 |
| 56 | Mitochondrial role in adaptive response to stress conditions in preeclampsia. Scientific Reports, 2016, 6, 32410. | 3.3 | 64 |
| 57 | Preterm Birth in Caucasians Is Associated with Coagulation and Inflammation Pathway Gene Variants. PLoS ONE, 2008, 3, e3283. | 2.5 | 63 |
| 58 | Evidence for lysosomal biogenesis proteome defect and impaired autophagy in preeclampsia. Autophagy, 2020, 16, 1771-1785. | 9.1 | 62 |
| 59 | Discovery and Characterization of Human Amniochorionic Membrane Microfractures. American Journal of Pathology, 2017, 187, 2821-2830. | 3.8 | 61 |
| 60 | A distinct mechanism of senescence activation in amnion epithelial cells by infection, inflammation, and oxidative stress. American Journal of Reproductive Immunology, 2018, 79, e12790. | 1.2 | 60 |
| 61 | Interleukin-10 inhibition of interleukin-6 in human amniochorionic membrane: Transcriptional regulation. American Journal of Obstetrics and Gynecology, 1996, 175, 1057-1065. | 1.3 | 59 |
| 62 | TNF-alpha promotes caspase activation and apoptosis in human fetal membranes. Journal of Assisted Reproduction and Genetics, 2002, 19, 201-204. | 2.5 | 59 |
| 63 | Amniotic Fluid Interleukin-1Î² and Interleukin-8 Concentrations: Racial Disparity in Preterm Birth. Reproductive Sciences, 2007, 14, 253-259. | 2.5 | 59 |
| 64 | Racial disparity in pathophysiologic pathways of preterm birth based on genetic variants. Reproductive Biology and Endocrinology, 2009, 7, 62. | 3.3 | 59 |
| 65 | Amniotic Fluid Eicosanoids in Preterm and Term Births: Effects of Risk Factors for Spontaneous Preterm Labor. Obstetrics and Gynecology, 2011, 118, 121-134. | 2.4 | 58 |
| 66 | Spontaneous preterm birth in African Americans is associated with infection and inflammatory response gene variants. American Journal of Obstetrics and Gynecology, 2009, 200, 209.e1-209.e27. | 1.3 | 57 |
| 67 | Organ-On-Chip Technology: The Future of Feto-Maternal Interface Research?. Frontiers in Physiology, 2020, 11, 715. | 2.8 | 57 |
| 68 | Support for an infection-induced apoptotic pathway in human fetal membranes. American Journal of Obstetrics and Gynecology, 2001, 184, 1392-1398. | 1.3 | 56 |
| 69 | Interleukin-10 and transforming growth factor-Î² inhibit amniochorion tumor necrosis factor-Î± production by contrasting mechanisms of action: Therapeutic implications in prematurity. American Journal of Obstetrics and Gynecology, 1997, 177, 803-809. | 1.3 | 55 |
| 70 | Differences in the Placental Membrane Cytokine Response: a Possible explanation for the Racial Disparity in Preterm Birth. American Journal of Reproductive Immunology, 2006, 56, 112-118. | 1.2 | 55 |
| 71 | Quantitative Proteomics by SWATH-MS of Maternal Plasma Exosomes Determine Pathways Associated With Term and Preterm Birth. Endocrinology, 2019, 160, 639-650. | 2.8 | 55 |
| 72 | Cervical Microbiota in Women with Preterm Prelabor Rupture of Membranes. PLoS ONE, 2015, 10, e0126884. | 2.5 | 55 |

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| 73 | 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, 794-799. | 1.3 | 54 |
| 74 | Ethnic Differences in Key Candidate Genes for Spontaneous Preterm Birth: TNF-Î± and Its Receptors. Human Heredity, 2006, 62, 107-118. | 0.8 | 53 |
| 75 | DNA Methylation: An Epigenetic Risk Factor in Preterm Birth. Reproductive Sciences, 2012, 19, 6-13. | 2.5 | 53 |
| 76 | Oxidative stress induces p38MAPK-dependent senescence in the feto-maternal interface cells. Placenta, 2018, 67, 15-23. | 1.5 | 53 |
| 77 | 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. | 6.1 | 53 |
| 78 | Genetic regulation of amniotic fluid TNF-alpha and soluble TNF receptor concentrations affected by race and preterm birth. Human Genetics, 2008, 124, 243-253. | 3.8 | 52 |
| 79 | Bacterial Modulation of Human Fetal Membrane Tollâ€like Receptor Expression. American Journal of Reproductive Immunology, 2013, 69, 33-40. | 1.2 | 51 |
| 80 | Fetal DNA methylation of autism spectrum disorders candidate genes: association with spontaneous preterm birth. American Journal of Obstetrics and Gynecology, 2015, 212, 533.e1-533.e9. | 1.3 | 51 |
| 81 | Initiation of human parturition: signaling from senescent fetal tissues via extracellular vesicle mediated paracrine mechanism. Obstetrics and Gynecology Science, 2019, 62, 199. | 1.6 | 51 |
| 82 | Racial disparity in amniotic fluid concentrations of tumor necrosis factor (TNF)-Î± and soluble TNF receptors in spontaneous preterm birth. American Journal of Obstetrics and Gynecology, 2008, 198, 533.e1-533.e10. | 1.3 | 50 |
| 83 | Amnion membrane organâ€onâ€chip: an innovative approach to study cellular interactions. FASEB Journal, 2019, 33, 8945-8960. | 0.5 | 50 |
| 84 | 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. | 1.5 | 50 |
| 85 | 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. | 1.4 | 49 |
| 86 | Interleukin-6 (IL-6) and receptor (IL6-R) gene haplotypes associate with amniotic fluid protein concentrations in preterm birth. Human Molecular Genetics, 2008, 17, 1619-1630. | 2.9 | 49 |
| 87 | Gestational tissue inflammatory biomarkers at term labor: AÂsystematic review of literature. American Journal of Reproductive Immunology, 2018, 79, e12776. | 1.2 | 48 |
| 88 | DNA methylation provides insight into intergenerational risk for preterm birth in African Americans. Epigenetics, 2015, 10, 784-792. | 2.7 | 47 |
| 89 | 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. | 3.4 | 47 |
| 90 | Proteomic Biomarkers for Spontaneous. Reproductive Sciences, 2014, 21, 283-295. | 2.5 | 45 |

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|---|---|---|---|
| 91 | Proliferative, Migratory, and Transition Properties Reveal Metastate of Human AmnionÂCells. American Journal of Pathology, 2018, 188, 2004-2015. | 3.8 | 45 |
| 92 | Oxidative stress-induced TGF-beta/TAB1-mediated p38MAPK activation in human amnion epithelial cellsâ€. Biology of Reproduction, 2018, 99, 1100-1112. | 2.7 | 44 |
| 93 | Exosomal delivery of NF-Î°B inhibitor delays LPS-induced preterm birth and modulates fetal immune cell profile in mouse models. Science Advances, 2021, 7, . | 10.3 | 44 |
| 94 | Multivariate adaptive regression splines analysis to predict biomarkers of spontaneous preterm birth. Acta Obstetricia Et Gynecologica Scandinavica, 2014, 93, 382-391. | 2.8 | 41 |
| 95 | Extracellular vesicle mediated feto-maternal HMGB1 signaling induces preterm birth. Lab on A Chip, 2021, 21, 1956-1973. | 6.0 | 41 |
| 96 | Placental Exosomes During Gestation: Liquid Biopsies Carrying Signals for the Regulation of Human Parturition. Current Pharmaceutical Design, 2018, 24, 974-982. | 1.9 | 41 |
| 97 | Association of Genetic Variants, Ethnicity and Preterm Birth with Amniotic Fluid Cytokine Concentrations. Annals of Human Genetics, 2010, 74, 165-183. | 0.8 | 40 |
| 98 | Preterm Birth and Its Long-Term Effects: Methylation to Mechanisms. Biology, 2014, 3, 498-513. | 2.8 | 40 |
| 99 | II. Expression of TNFâ€Î± and TNFR p55 in Cultured Amniochorion. American Journal of Reproductive Immunology, 1994, 32, 188-193. | 1.2 | 39 |
| 100 | Placental telomere shortening in stillbirth: a sign of premature senescence?. Journal of Maternal-Fetal and Neonatal Medicine, 2016, 29, 1283-1288. | 1.5 | 39 |
| 101 | Does exposure to flame retardants increase the risk for preterm birth?. Journal of Reproductive Immunology, 2015, 107, 20-25. | 1.9 | 38 |
| 102 | Positive and negative effects of cellular senescence during female reproductive aging and pregnancy. Journal of Endocrinology, 2016, 230, R59-R76. | 2.6 | 38 |
| 103 | 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, 3583-3589. | 1.5 | 37 |
| 104 | Oxidative stress induces senescence and sterile inflammation in murine amniotic cavity. Placenta, 2018, 63, 26-31. | 1.5 | 37 |
| 105 | Protein Profile Changes in Circulating Placental Extracellular Vesicles in Term and Preterm Births: A Longitudinal Study. Endocrinology, 2020, 161, . | 2.8 | 37 |
| 106 | Amniotic fluid and maternal race influence responsiveness of fetal membranes to bacteria. Journal of Reproductive Immunology, 2012, 96, 68-78. | 1.9 | 36 |
| 107 | Can statins reduce the inflammatory response associated with preterm birth in an animal model?. American Journal of Obstetrics and Gynecology, 2012, 207, 224.e1-224.e7. | 1.3 | 36 |
| 108 | Environmental Pollutant Polybrominated Diphenyl Ether, a Flame Retardant, Induces Primary Amnion Cell Senescence. American Journal of Reproductive Immunology, 2015, 74, 398-406. | 1.2 | 36 |

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|---|---|---|---|
| 109 | Biomarkers of spontaneous preterm birth: a systematic review of studies using multiplex analysis. Journal of Perinatal Medicine, 2017, 45, 71-84. | 1.4 | 36 |
| 110 | Environmental pollutant induced cellular injury is reflected in exosomes from placental explants. Placenta, 2020, 89, 42-49. | 1.5 | 36 |
| 111 | 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. | 1.9 | 36 |
| 112 | Oxidative stress-induced downregulation of glycogen synthase kinase 3 beta in fetal membranes promotes cellular senescenceâ€. Biology of Reproduction, 2019, 101, 1018-1030. | 2.7 | 35 |
| 113 | Racial disparity in maternal-fetal genetic epistasis in spontaneous preterm birth. American Journal of Obstetrics and Gynecology, 2008, 198, 666.e1-666.e10. | 1.3 | 34 |
| 114 | Expression of 8-oxoguanine Glycosylase in Human Fetal Membranes. American Journal of Reproductive Immunology, 2014, 72, 75-84. | 1.2 | 34 |
| 115 | Redefining 3Dimensional placental membrane microarchitecture using multiphoton microscopy and optical clearing. Placenta, 2017, 53, 66-75. | 1.5 | 34 |
| 116 | Exploring Inflammatory Mediators in Fetal and Maternal Compartments During Human Parturition. Obstetrics and Gynecology, 2019, 134, 765-773. | 2.4 | 34 |
| 117 | Collagenase-3 (MMP-13) in Fetal Membranes and Amniotic Fluid During Pregnancy*. American Journal of Reproductive Immunology, 2003, 49, 120-125. | 1.2 | 32 |
| 118 | Modeling ascending infection with a feto-maternal interface organ-on-chip. Lab on A Chip, 2020, 20, 4486-4501. | 6.0 | 32 |
| 119 | Regulation of fetal membrane inflammation: a critical step in reducing adverse pregnancy outcome. American Journal of Obstetrics and Gynecology, 2015, 213, 447-448. | 1.3 | 31 |
| 120 | Amniochorion: A Source of Interleukinâ€8. American Journal of Reproductive Immunology, 1995, 34, 156-162. | 1.2 | 30 |
| 121 | Salivary proteinase activity: A potential biomarker for preterm premature rupture of the membranes. American Journal of Obstetrics and Gynecology, 2006, 194, 1609-1615. | 1.3 | 30 |
| 122 | Extracellular vesicles in spontaneous preterm birth. American Journal of Reproductive Immunology, 2021, 85, e13353. | 1.2 | 30 |
| 123 | Organâ€onâ€chip of the cervical epithelial layer: A platform to study normal and pathological cellular remodeling of the cervix. FASEB Journal, 2021, 35, e21463. | 0.5 | 30 |
| 124 | Racial disparity in membrane response to infectious stimuli: a possible explanation for observed differences in the incidence of prematurity. American Journal of Obstetrics and Gynecology, 2004, 190, 1557-1562. | 1.3 | 29 |
| 125 | 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. | 3.8 | 28 |
| 126 | Microvesicles and exosomes released by amnion epithelial cells under oxidative stress cause inflammatory changes in uterine cellsâ€. Biology of Reproduction, 2021, 105, 464-480. | 2.7 | 28 |

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|---|---|---|---|
| 127 | Downregulation of peroxiredoxin-3 by hydrophobic bile acid induces mitochondrial dysfunction and cellular senescence in human trophoblasts. Scientific Reports, 2016, 6, 38946. | 3.3 | 26 |
| 128 | Preterm birth: a global burden on maternal and child health. Pathogens and Global Health, 2012, 106, 139-140. | 2.3 | 25 |
| 129 | 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. | 2.8 | 25 |
| 130 | Progesterone receptor membrane components: key regulators of fetal membrane integrity. Biology of Reproduction, 2021, 104, 445-456. | 2.7 | 24 |
| 131 | Maternal Plasma Metabolomic Profiles in Spontaneous Preterm Birth: Preliminary Results. Mediators of Inflammation, 2018, 2018, 1-13. | 3.0 | 22 |
| 132 | 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, 209-214. | 1.5 | 21 |
| 133 | Microbial load of umbilical cord blood<i>Ureaplasma</i>species and<i>Mycoplasma hominis</i>in preterm prelabor rupture of membranes. Journal of Maternal-Fetal and Neonatal Medicine, 2014, 27, 1627-1632. | 1.5 | 21 |
| 134 | Fetal inflammatory response at the fetomaternal interface: AÂrequirement for labor at term and preterm*. Immunological Reviews, 2022, 308, 149-167. | 6.0 | 21 |
| 135 | Generation and characterization of human Fetal membrane and Decidual cell lines for reproductive biology experiments. Biology of Reproduction, 2022, 106, 568-582. | 2.7 | 21 |
| 136 | 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. | 1.2 | 20 |
| 137 | Effect of polybrominated diphenyl ether congeners on placental cytokine production. Journal of Reproductive Immunology, 2018, 125, 72-79. | 1.9 | 20 |
| 138 | Fetal Membrane Organ-On-Chip: An Innovative Approach to Study Cellular Interactions. Reproductive Sciences, 2019, , 193371911982808. | 2.5 | 20 |
| 139 | Development of a mouse model of ascending infection and preterm birth. PLoS ONE, 2021, 16, e0260370. | 2.5 | 20 |
| 140 | Interleukin-10 inhibition of gelatinases in fetal membranes: therapeutic implications in preterm premature rupture of membranes. Obstetrics and Gynecology, 2001, 98, 284-288. | 2.4 | 19 |
| 141 | Regulation of p38 mitogenâ€activated kinaseâ€mediated fetal membrane senescence by statins. American Journal of Reproductive Immunology, 2018, 80, e12999. | 1.2 | 19 |
| 142 | Effect of bisphenol-A (BPA) on placental biomarkers for inflammation, neurodevelopment and oxidative stress. Journal of Perinatal Medicine, 2019, 47, 741-749. | 1.4 | 19 |
| 143 | Stretch, scratch, and stress: Suppressors and supporters of senescence in human fetal membranes. Placenta, 2020, 99, 27-34. | 1.5 | 19 |
| 144 | Breaking Down the Barrier: The Role of Cervical Infection and Inflammation in Preterm Birth. Frontiers in Global Women S Health, 2021, 2, 777643. | 2.3 | 19 |

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|---|---|---|---|
| 145 | Systematic review of p38 mitogenâ€activated kinase and its functional role in reproductive tissues. American Journal of Reproductive Immunology, 2018, 80, e13047. | 1.2 | 18 |
| 146 | Inflammation, but not infection, induces EMT in human amnion epithelial cells. Reproduction, 2020, 160, 627-638. | 2.6 | 18 |
| 147 | Extracellular vesicles from maternal uterine cells exposed to risk factors cause fetal inflammatory response. Cell Communication and Signaling, 2021, 19, 100. | 6.5 | 18 |
| 148 | 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, 2015, 44, 99-109. | 1.4 | 17 |
| 149 | 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. | 2.7 | 17 |
| 150 | Molecular mechanisms of environmental toxin cadmium at the feto-maternal interface investigated using an organ-on-chip (FMi-OOC) model. Journal of Hazardous Materials, 2022, 422, 126759. | 12.4 | 17 |
| 151 | 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.e1-334.e8. | 1.3 | 16 |
| 152 | The Effect of Simvastatin on Infectionâ€Induced Inflammatory Response of Human Fetal Membranes. American Journal of Reproductive Immunology, 2015, 74, 54-61. | 1.2 | 16 |
| 153 | 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. | 1.5 | 16 |
| 154 | Dexamethasone induces primary amnion epithelial cell senescence through telomere-P21 associated pathwayâ€. Biology of Reproduction, 2019, 100, 1605-1616. | 2.7 | 16 |
| 155 | Fetal Membrane Biomarker Network Diversity and Disease Functions Induced by Intra-amniotic Pathogens. American Journal of Reproductive Immunology, 2013, 69, 124-133. | 1.2 | 15 |
| 156 | Fetal Membrane Organ-On-Chip: An Innovative Approach to Study Cellular Interactions. Reproductive Sciences, 2020, 27, 1562-1569. | 2.5 | 15 |
| 157 | Genital Mycoplasmas and Biomarkers of Inflammation and Their Association With Spontaneous Preterm Birth and Preterm Prelabor Rupture of Membranes: A Systematic Review and Meta-Analysis. Frontiers in Microbiology, 2022, 13, 859732. | 3.5 | 15 |
| 158 | Investigation of genetic risk factors for chronic adult diseases for association with preterm birth. Human Genetics, 2013, 132, 57-67. | 3.8 | 14 |
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