

Irina A Buhimschi

List of Publications by Citations

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197
papers

6,271
citations

40
h-index

69
g-index

214
ext. papers

7,119
ext. citations

4
avg, IF

5.45
L-index

#	Paper	IF	Citations
197	Uncultivated bacteria as etiologic agents of intra-amniotic inflammation leading to preterm birth. <i>Journal of Clinical Microbiology</i> , 2009 , 47, 38-47	9.7	248
196	Involvement of a nitric oxide-cyclic guanosine monophosphate pathway in control of human uterine contractility during pregnancy. <i>American Journal of Obstetrics and Gynecology</i> , 1995 , 172, 1577-84	6.4	214
195	Dysregulation of hydrogen sulfide producing enzyme cystathionine β -lyase contributes to maternal hypertension and placental abnormalities in preeclampsia. <i>Circulation</i> , 2013 , 127, 2514-22	16.7	195
194	Differential regulation of nitric oxide in the rat uterus and cervix during pregnancy and labour. <i>Human Reproduction</i> , 1996 , 11, 1755-66	5.7	173
193	Proteomic biomarker analysis of amniotic fluid for identification of intra-amniotic inflammation. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2005 , 112, 173-81	3.7	153
192	Protective effect of N-acetylcysteine against fetal death and preterm labor induced by maternal inflammation. <i>American Journal of Obstetrics and Gynecology</i> , 2003 , 188, 203-8	6.4	146
191	Proteomic profiling of the amniotic fluid to detect inflammation, infection, and neonatal sepsis. <i>PLoS Medicine</i> , 2007 , 4, e18	11.6	132
190	Protein misfolding, congophilia, oligomerization, and defective amyloid processing in preeclampsia. <i>Science Translational Medicine</i> , 2014 , 6, 245ra92	17.5	122
189	Urinary angiogenic factors cluster hypertensive disorders and identify women with severe preeclampsia. <i>American Journal of Obstetrics and Gynecology</i> , 2005 , 192, 734-41	6.4	121
188	Pre-eclampsia-like conditions produced by nitric oxide inhibition: effects of L-arginine, D-arginine and steroid hormones. <i>Human Reproduction</i> , 1995 , 10, 2723-30	5.7	115
187	Preeclampsia-related inflammatory cytokines regulate interleukin-6 expression in human decidual cells. <i>American Journal of Pathology</i> , 2008 , 172, 1571-9	5.8	114
186	Comparative microbial analysis of paired amniotic fluid and cord blood from pregnancies complicated by preterm birth and early-onset neonatal sepsis. <i>PLoS ONE</i> , 2013 , 8, e56131	3.7	112
185	The nitric oxide pathway in pre-eclampsia: pathophysiological implications. <i>Human Reproduction Update</i> , 1998 , 4, 25-42	15.8	97
184	Reduction-oxidation (redox) state regulation of matrix metalloproteinase activity in human fetal membranes. <i>American Journal of Obstetrics and Gynecology</i> , 2000 , 182, 458-64	6.4	96
183	Proteomic biomarkers of intra-amniotic inflammation: relationship with funisitis and early-onset sepsis in the premature neonate. <i>Pediatric Research</i> , 2007 , 61, 318-24	3.2	90
182	Proteomic profiling of urine identifies specific fragments of SERPINA1 and albumin as biomarkers of preeclampsia. <i>American Journal of Obstetrics and Gynecology</i> , 2008 , 199, 551.e1-16	6.4	88
181	The novel antimicrobial peptide beta3-defensin is produced by the amnion: a possible role of the fetal membranes in innate immunity of the amniotic cavity. <i>American Journal of Obstetrics and Gynecology</i> , 2004 , 191, 1678-87	6.4	77

180	Beneficial impact of term labor: nonenzymatic antioxidant reserve in the human fetus. <i>American Journal of Obstetrics and Gynecology</i> , 2003 , 189, 181-8	6.4	76
179	Neocolpogenesis with split-thickness skin graft as a surgical treatment of vaginal agenesis: retrospective review of 201 cases. <i>American Journal of Obstetrics and Gynecology</i> , 1996 , 175, 131-8	6.4	69
178	Characterization of RAGE, HMGB1, and S100beta in inflammation-induced preterm birth and fetal tissue injury. <i>American Journal of Pathology</i> , 2009 , 175, 958-75	5.8	68
177	Proteomic biomarkers that predict the clinical success of rescue cerclage. <i>American Journal of Obstetrics and Gynecology</i> , 2005 , 192, 710-8	6.4	68
176	Value of placental microbial evaluation in diagnosing intra-amniotic infection. <i>Obstetrics and Gynecology</i> , 2007 , 109, 739-49	4.9	67
175	Polymorphism of tumor necrosis factor-alpha and risk and severity of bronchopulmonary dysplasia among very low birth weight infants. <i>Pediatrics</i> , 2004 , 114, e243-8	7.4	67
174	Soluble TLR2 is present in human amniotic fluid and modulates the intraamniotic inflammatory response to infection. <i>Journal of Immunology</i> , 2009 , 182, 7244-53	5.3	66
173	Accreta complicating complete placenta previa is characterized by reduced systemic levels of vascular endothelial growth factor and by epithelial-to-mesenchymal transition of the invasive trophoblast. <i>American Journal of Obstetrics and Gynecology</i> , 2011 , 204, 411.e1-411.e11	6.4	63
172	Fetal inflammatory response in women with proteomic biomarkers characteristic of intra-amniotic inflammation and preterm birth. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2009 , 116, 257-67	3.7	63
171	The receptor for advanced glycation end products (RAGE) system in women with intraamniotic infection and inflammation. <i>American Journal of Obstetrics and Gynecology</i> , 2007 , 196, 181.e1-13	6.4	59
170	Interpretation of amniotic fluid white blood cell count in "bloody tap" amniocenteses in women with symptoms of preterm labor. <i>Obstetrics and Gynecology</i> , 2010 , 116, 344-354	4.9	57
169	Myometrial wound healing post-Cesarean delivery in the MRL/MpJ mouse model of uterine scarring. <i>American Journal of Pathology</i> , 2010 , 177, 197-207	5.8	48
168	BCL-2 is involved in preventing oxidant-induced cell death and in decreasing oxygen radical production. <i>Redox Report</i> , 2001 , 6, 351-62	5.9	47
167	Physical and biomechanical characteristics of rat cervical ripening are not consistent with increased collagenase activity. <i>American Journal of Obstetrics and Gynecology</i> , 2004 , 191, 1695-704	6.4	46
166	ATP-binding cassette transporter expression in human placenta as a function of pregnancy condition. <i>Drug Metabolism and Disposition</i> , 2011 , 39, 1000-7	4	44
165	Using proteomics in perinatal and neonatal sepsis: hopes and challenges for the future. <i>Current Opinion in Infectious Diseases</i> , 2009 , 22, 235-43	5.4	44
164	Use of McRoberts Position during delivery and increase in pushing efficiency. <i>Lancet, The</i> , 2001 , 358, 470-1	4.0	44
163	Multidimensional proteomics analysis of amniotic fluid to provide insight into the mechanisms of idiopathic preterm birth. <i>PLoS ONE</i> , 2008 , 3, e2049	3.7	44

162	Glucocorticoids enhance CD163 expression in placental Hofbauer cells. <i>Endocrinology</i> , 2013 , 154, 471-824.8	4.3
161	Preterm birth in rats produced by the synergistic action of a nitric oxide inhibitor (NG-nitro-L-arginine methyl ester) and an antiprogesterin (onapristone). <i>American Journal of Obstetrics and Gynecology</i> , 1996 , 175, 207-12	6.4 42
160	Compartmentalization of acute phase reactants Interleukin-6, C-Reactive Protein and Procalcitonin as biomarkers of intra-amniotic infection and chorioamnionitis. <i>Cytokine</i> , 2015 , 76, 236-243	4 41
159	Using proteomic analysis of the human amniotic fluid to identify histologic chorioamnionitis. <i>Obstetrics and Gynecology</i> , 2008 , 111, 403-12	4.9 41
158	The invasive phenotype of placenta accreta extravillous trophoblasts associates with loss of E-cadherin. <i>Placenta</i> , 2015 , 36, 645-51	3.4 40
157	Heparin elevates circulating soluble fms-like tyrosine kinase-1 immunoreactivity in pregnant women receiving anticoagulation therapy. <i>Circulation</i> , 2011 , 124, 2543-53	16.7 40
156	Fractional excretion of tumor necrosis factor-alpha in women with severe preeclampsia. <i>Obstetrics and Gynecology</i> , 2008 , 112, 93-100	4.9 40
155	H19 long noncoding RNA alters trophoblast cell migration and invasion by regulating TR3 in placenta with fetal growth restriction. <i>Oncotarget</i> , 2016 , 7, 38398-38407	3.3 40
154	IL-6 trans-signaling system in intra-amniotic inflammation, preterm birth, and preterm premature rupture of the membranes. <i>Journal of Immunology</i> , 2011 , 186, 3226-36	5.3 39
153	Ultrasound evaluation of the uterine scar after cesarean delivery: a randomized controlled trial of one- and two-layer closure. <i>Obstetrics and Gynecology</i> , 2007 , 110, 808-13	4.9 39
152	Effects of sublingual nitroglycerin on human uterine contractility during the active phase of labor. <i>American Journal of Obstetrics and Gynecology</i> , 2002 , 187, 235-8	6.4 39
151	Rupture of the uterine scar during term labour: contractility or biochemistry?. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2005 , 112, 38-42	3.7 39
150	Ultrasound measurement of fetal adrenal gland enlargement: an accurate predictor of preterm birth. <i>American Journal of Obstetrics and Gynecology</i> , 2011 , 204, 311.e1-10	6.4 38
149	Nucleated red blood cells are a direct response to mediators of inflammation in newborns with early-onset neonatal sepsis. <i>American Journal of Obstetrics and Gynecology</i> , 2008 , 198, 426.e1-9	6.4 38
148	Myometrial thickness during human labor and immediately post partum. <i>American Journal of Obstetrics and Gynecology</i> , 2003 , 188, 553-9	6.4 38
147	Proteomics mapping of cord blood identifies haptoglobin "switch-on" pattern as biomarker of early-onset neonatal sepsis in preterm newborns. <i>PLoS ONE</i> , 2011 , 6, e26111	3.7 37
146	Human effector/initiator gene sets that regulate myometrial contractility during term and preterm labor. <i>American Journal of Obstetrics and Gynecology</i> , 2010 , 202, 474.e1-20	6.4 37
145	Placental expression of ceruloplasmin in pregnancies complicated by severe preeclampsia. <i>Laboratory Investigation</i> , 2008 , 88, 1057-67	5.9 37

144	Discriminatory proteomic biomarker analysis identifies free hemoglobin in the cerebrospinal fluid of women with severe preeclampsia. <i>American Journal of Obstetrics and Gynecology</i> , 2005 , 193, 957-64	6.4	37
143	Proteomic but not enzyme-linked immunosorbent assay technology detects amniotic fluid monomeric calgranulins from their complexed calprotectin form. <i>Vaccine Journal</i> , 2005 , 12, 837-44		37
142	The elevation in circulating anti-angiogenic factors is independent of markers of neutrophil activation in preeclampsia. <i>Angiogenesis</i> , 2012 , 15, 333-40	10.6	36
141	Novel insights into molecular mechanisms of abruption-induced preterm birth. <i>Expert Reviews in Molecular Medicine</i> , 2010 , 12, e35	6.7	35
140	Fractional excretion of angiogenic factors in women with severe preeclampsia. <i>Obstetrics and Gynecology</i> , 2006 , 107, 1103-13	4.9	35
139	Pushing in labor: performance and not endurance. <i>American Journal of Obstetrics and Gynecology</i> , 2002 , 186, 1339-44	6.4	35
138	Regulation of vascular adaptation during pregnancy and post-partum: effects of nitric oxide inhibition and steroid hormones. <i>Human Reproduction</i> , 1996 , 11, 2777-84	5.7	35
137	The effect of dystocia and previous cesarean uterine scar on the tensile properties of the lower uterine segment. <i>American Journal of Obstetrics and Gynecology</i> , 2006 , 194, 873-83	6.4	34
136	Electrophysiological Maturation of Cerebral Organoids Correlates with Dynamic Morphological and Cellular Development. <i>Stem Cell Reports</i> , 2020 , 15, 855-868	8	34
135	Human pregnancy zone protein stabilizes misfolded proteins including preeclampsia- and Alzheimer β -associated amyloid beta peptide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 6101-6110	11.5	32
134	Decreased levels of folate receptor- β and reduced numbers of fetal macrophages (Hofbauer cells) in placentas from pregnancies with severe pre-eclampsia. <i>American Journal of Reproductive Immunology</i> , 2013 , 70, 104-15	3.8	32
133	The role of proteomics in the diagnosis of chorioamnionitis and early-onset neonatal sepsis. <i>Clinics in Perinatology</i> , 2010 , 37, 355-74	2.8	31
132	The effect of fundal pressure manoeuvre on intrauterine pressure in the second stage of labour. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2002 , 109, 520-6	3.7	31
131	Proteomic-based detection of a protein cluster dysregulated during cardiovascular development identifies biomarkers of congenital heart defects. <i>PLoS ONE</i> , 2009 , 4, e4221	3.7	30
130	Activation of the receptor for advanced glycation end products system in women with severe preeclampsia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011 , 96, 689-98	5.6	30
129	Contrasting effects of chronic hypoxia and nitric oxide synthase inhibition on circulating angiogenic factors in a rat model of growth restriction. <i>American Journal of Obstetrics and Gynecology</i> , 2007 , 196, 72.e1-6	6.4	30
128	Fetal adrenal gland volume: a novel method to identify women at risk for impending preterm birth. <i>Obstetrics and Gynecology</i> , 2007 , 109, 855-62	4.9	30
127	Histologic changes of the fetal membranes after fetoscopic laser surgery for twin-twin transfusion syndrome. <i>Pediatric Research</i> , 2015 , 78, 247-55	3.2	29

126	Fetal adrenal gland volume and cortisol/dehydroepiandrosterone sulfate ratio in inflammation-associated preterm birth. <i>Obstetrics and Gynecology</i> , 2008 , 111, 715-22	4.9	29
125	Comprehensive RNA profiling of villous trophoblast and decidua basalis in pregnancies complicated by preterm birth following intra-amniotic infection. <i>Placenta</i> , 2016 , 44, 23-33	3.4	27
124	Duration of intrapartum prophylaxis and concentration of penicillin G in fetal serum at delivery. <i>Obstetrics and Gynecology</i> , 2008 , 112, 265-70	4.9	27
123	Alterations in syncytiotrophoblast cytokine expression following treatment with lipopolysaccharide. <i>American Journal of Reproductive Immunology</i> , 2006 , 55, 12-8	3.8	27
122	Proteomics of the amniotic fluid in assessment of the placenta. Relevance for preterm birth. <i>Placenta</i> , 2008 , 29 Suppl A, S95-101	3.4	26
121	Sonographic myometrial thickness predicts the latency interval of women with preterm premature rupture of the membranes and oligohydramnios. <i>American Journal of Obstetrics and Gynecology</i> , 2005 , 193, 762-70	6.4	26
120	Contrasting effects of diethylenetriamine-nitric oxide, a spontaneously releasing nitric oxide donor, on pregnant rat uterine contractility in vitro versus in vivo. <i>American Journal of Obstetrics and Gynecology</i> , 1997 , 177, 690-701	6.4	25
119	Multidimensional system biology: genetic markers and proteomic biomarkers of adverse pregnancy outcome in preterm birth. <i>American Journal of Perinatology</i> , 2008 , 25, 175-87	3.3	25
118	The presence and function of phosphodiesterase type 5 in the rat myometrium. <i>American Journal of Obstetrics and Gynecology</i> , 2004 , 190, 268-74	6.4	25
117	Uterine contractility in women whose fetus is delivered in the occipitoposterior position. <i>American Journal of Obstetrics and Gynecology</i> , 2003 , 188, 734-9	6.4	25
116	Proteomics technology for the accurate diagnosis of inflammation in twin pregnancies. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2005 , 112, 250-5	3.7	25
115	Mechanisms of chorioamnionitis-associated preterm birth: interleukin-1 β inhibits progesterone receptor expression in decidual cells. <i>Journal of Pathology</i> , 2015 , 237, 423-34	9.4	24
114	Distinct regulation of nitric oxide and cyclic guanosine monophosphate production by steroid hormones in the rat uterus. <i>Molecular Human Reproduction</i> , 2000 , 6, 404-14	4.4	24
113	Tumor necrosis factor-alpha allele lymphotoxin-alpha+250 is associated with the presence and severity of placental inflammation among preterm births. <i>Pediatric Research</i> , 2004 , 56, 94-8	3.2	23
112	Cord blood erythropoietin and interleukin-6 for prediction of intraventricular hemorrhage in the preterm neonate. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2011 , 24, 673-9	2	22
111	Proteomics, part II: the emerging role of proteomics over genomics in spontaneous preterm labor/birth. <i>Obstetrical and Gynecological Survey</i> , 2006 , 61, 543-53	2.4	22
110	Clinical proteomics: a novel diagnostic tool for the new biology of preterm labor, part I: proteomics tools. <i>Obstetrical and Gynecological Survey</i> , 2006 , 61, 481-6	2.4	21
109	Amniotic fluid angiopoietin-1, angiopoietin-2, and soluble receptor tunica interna endothelial cell kinase-2 levels and regulation in normal pregnancy and intraamniotic inflammation-induced preterm birth. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 3428-36	5.6	20

108	Extravillous trophoblast invasion in placenta accreta is associated with differential local expression of angiogenic and growth factors: a cross-sectional study. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2018 , 125, 1441-1448	3.7	19
107	High Mobility Group-Box 1 (HMGB1) levels are increased in amniotic fluid of women with intra-amniotic inflammation-determined preterm birth, and the source may be the damaged fetal membranes. <i>Cytokine</i> , 2016 , 81, 82-7	4	19
106	Modulation of amniotic fluid activin-a and inhibin-a in women with preterm premature rupture of the membranes and infection-induced preterm birth. <i>American Journal of Reproductive Immunology</i> , 2012 , 67, 122-31	3.8	19
105	Fetal heart rate monitoring patterns in women with amniotic fluid proteomic profiles indicative of inflammation. <i>American Journal of Perinatology</i> , 2008 , 25, 359-72	3.3	19
104	Single nucleotide polymorphisms in the human progesterone receptor gene and spontaneous preterm birth. <i>Reproductive Sciences</i> , 2008 , 15, 147-55	3	19
103	Serum and urine inhibin A but not free activin A are endocrine biomarkers of severe pre-eclampsia. <i>American Journal of Obstetrics and Gynecology</i> , 2006 , 195, 1636-45	6.4	19
102	Congo Red Dot Paper Test for Antenatal Triage and Rapid Identification of Preeclampsia. <i>EClinicalMedicine</i> , 2019 , 8, 47-56	11.3	18
101	Limiting the Exposure of Select Fetuses to Intrauterine Infection/Inflammation Improves Short-Term Neonatal Outcomes in Preterm Premature Rupture of Membranes. <i>Fetal Diagnosis and Therapy</i> , 2017 , 42, 99-110	2.4	18
100	Proteomics/diagnosis of chorioamnionitis and of relationships with the fetal exposome. <i>Seminars in Fetal and Neonatal Medicine</i> , 2012 , 17, 36-45	3.7	18
99	Comparative analysis of 2-D versus 3-D ultrasound estimation of the fetal adrenal gland volume and prediction of preterm birth. <i>American Journal of Perinatology</i> , 2012 , 29, 673-80	3.3	18
98	The role of urinary soluble endoglin in the diagnosis of pre-eclampsia: comparison with soluble fms-like tyrosine kinase 1 to placental growth factor ratio. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2010 , 117, 321-30	3.7	18
97	THE FORCES OF LABOUR. <i>Fetal and Maternal Medicine Review</i> , 2003 , 14, 273-307		18
96	Marked variation in responses to long-term nitric oxide inhibition during pregnancy in outbred rats from two different colonies. <i>American Journal of Obstetrics and Gynecology</i> , 2001 , 184, 686-93	6.4	18
95	Patterns of Empiric Antibiotic Administration for Presumed Early-Onset Neonatal Sepsis in Neonatal Intensive Care Units in the United States. <i>American Journal of Perinatology</i> , 2017 , 34, 640-647	3.3	17
94	Antenatal corticosteroids impact the inflammatory rather than the antiangiogenic profile of women with preeclampsia. <i>Hypertension</i> , 2014 , 63, 1285-92	8.5	17
93	Progesterin inhibits and thrombin stimulates the plasminogen activator/inhibitor system in term decidual stromal cells: implications for parturition. <i>American Journal of Obstetrics and Gynecology</i> , 2007 , 196, 382.e1-8	6.4	17
92	Ultrasonographic evaluation of myometrial thickness in twin pregnancies. <i>American Journal of Obstetrics and Gynecology</i> , 2008 , 198, 530.e1-10	6.4	17
91	Development and Validation of an Algorithm to Determine Spontaneous versus Provider-Initiated Preterm Birth in US Vital Records. <i>Paediatric and Perinatal Epidemiology</i> , 2016 , 30, 134-40	2.7	17

90	Calcioprotein particles as potential etiologic agents of idiopathic preterm birth. <i>Science Translational Medicine</i> , 2016 , 8, 364ra154	17.5	16
89	Fetal and amniotic fluid iron homeostasis in healthy and complicated murine, macaque, and human pregnancy. <i>JCI Insight</i> , 2020 , 5,	9.9	16
88	The Effect of Progestins on Tumor Necrosis Factor Induced Matrix Metalloproteinase-9 Activity and Gene Expression in Human Primary Amnion and Chorion Cells In Vitro. <i>Anesthesia and Analgesia</i> , 2015 , 120, 1085-1094	3.9	15
87	Advances in medical diagnosis of intra-amniotic infection. <i>Expert Opinion on Medical Diagnostics</i> , 2013 , 7, 5-16		15
86	Fetal nucleated red blood cells in a rat model of intrauterine growth restriction induced by hypoxia and nitric oxide synthase inhibition. <i>American Journal of Obstetrics and Gynecology</i> , 2007 , 196, 482.e1-8	6.4	15
85	Placental growth factor in the cerebrospinal fluid of women with preeclampsia. <i>International Journal of Gynecology and Obstetrics</i> , 2006 , 92, 32-7	4	15
84	Integrated microRNA and mRNA network analysis of the human myometrial transcriptome in the transition from quiescence to labor. <i>Biology of Reproduction</i> , 2018 , 98, 834-845	3.9	14
83	The effect of indomethacin and prostacyclin agonists on blood pressure in a rat model of preeclampsia. <i>American Journal of Obstetrics and Gynecology</i> , 1999 , 180, 1191-5	6.4	14
82	Comparing human and macaque placental transcriptomes to disentangle preterm birth pathology from gestational age effects. <i>Placenta</i> , 2016 , 41, 74-82	3.4	14
81	Skin Microbiota in Obese Women at Risk for Surgical Site Infection After Cesarean Delivery. <i>Scientific Reports</i> , 2018 , 8, 8756	4.9	13
80	Evidence for participation of neutrophil gelatinase-associated lipocalin/matrix metalloproteinase-9 (NGAL/MMP-9) complex in the inflammatory response to infection in pregnancies complicated by preterm birth. <i>American Journal of Reproductive Immunology</i> , 2016 , 76, 108-17	3.8	13
79	Role of Resultant Dipole Moment in Mechanical Dissociation of Biological Complexes. <i>Molecules</i> , 2018 , 23,	4.8	13
78	Fetal renal artery impedance as assessed by Doppler ultrasound in pregnancies complicated by intraamniotic inflammation and preterm birth. <i>American Journal of Obstetrics and Gynecology</i> , 2009 , 200, 203.e1-11	6.4	12
77	Long-term progestin contraceptives (LTPOC) induce aberrant angiogenesis, oxidative stress and apoptosis in the guinea pig uterus: A model for abnormal uterine bleeding in humans. <i>Journal of Angiogenesis Research</i> , 2010 , 2, 8		12
76	Advantages of vaginal delivery. <i>Clinical Obstetrics and Gynecology</i> , 2006 , 49, 167-83	1.7	12
75	Effect of stimulatory and inhibitory drugs on uterine electrical activity measured noninvasively from the abdominal surface of pregnant rats. <i>American Journal of Obstetrics and Gynecology</i> , 2000 , 183, 68-75	6.4	12
74	The effect of chronic nitric oxide synthase inhibition on blood pressure and heart rate in unrestrained pregnant rats as recorded by radiotelemetry. <i>American Journal of Obstetrics and Gynecology</i> , 1999 , 181, 159-64	6.4	12
73	The effect of an endothelin antagonist on blood pressure in a rat model of preeclampsia. <i>American Journal of Obstetrics and Gynecology</i> , 1999 , 181, 638-41	6.4	12

72	Components of the antepartum, intrapartum, and postpartum exposome impact on distinct short-term adverse neonatal outcomes of premature infants: A prospective cohort study. <i>PLoS ONE</i> , 2018 , 13, e0207298	3.7	12
71	Dysregulation of Lipid Metabolism in Mkp-1 Deficient Mice during Gram-Negative Sepsis. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	12
70	Preterm Birth and Gestational Length in Four Race-Nativity Groups, Including Somali Americans. <i>Obstetrics and Gynecology</i> , 2018 , 131, 281-289	4.9	11
69	Serum and Urine Thioflavin-T-Enhanced Fluorescence in Severe Preeclampsia. <i>Hypertension</i> , 2018 , 71, 1185-1192	8.5	11
68	A low vaginal "pool" amniotic fluid glucose measurement is a predictive but not a sensitive marker for infection in women with preterm premature rupture of membranes. <i>American Journal of Obstetrics and Gynecology</i> , 2006 , 194, 309-16	6.4	11
67	Hepcidin, an Iron Regulatory Hormone of Innate Immunity, is Differentially Expressed in Premature Fetuses with Early-Onset Neonatal Sepsis. <i>American Journal of Perinatology</i> , 2018 , 35, 865-872	3.3	10
66	Imbalance of Amniotic Fluid Activin-A and Follistatin in Intraamniotic Infection, Inflammation, and Preterm Birth. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 2785-93	5.6	10
65	Proteomics: a novel methodology to complement prenatal diagnosis of chromosomal abnormalities and inherited human diseases. <i>American Journal of Perinatology</i> , 2007 , 24, 167-81	3.3	10
64	Differential alterations in responsiveness in particulate and soluble guanylate cyclases in pregnant guinea pig myometrium. <i>American Journal of Obstetrics and Gynecology</i> , 2000 , 183, 1512-9	6.4	10
63	Using SELDI-TOF mass spectrometry on amniotic fluid and for clinical proteomics and theranostics in disorders of pregnancy. <i>Methods in Molecular Biology</i> , 2012 , 818, 171-97	1.4	10
62	Chorion releases a factor that inhibits oxytocin-stimulated myometrial contractility in the pregnant guinea pig. <i>Human Reproduction</i> , 2001 , 16, 638-43	5.7	10
61	Unique transcriptomic landscapes identified in idiopathic spontaneous and infection related preterm births compared to normal term births. <i>PLoS ONE</i> , 2019 , 14, e0225062	3.7	8
60	Haplotypes of tumor necrosis factor gene and tracheal aspirate fluid levels of tumor necrosis factor-alpha in preterm infants. <i>Pediatric Research</i> , 2008 , 64, 165-70	3.2	8
59	Human Placenta Expresses β Adrenergic Receptors and May Be Implicated in Pathogenesis of Preeclampsia and Fetal Growth Restriction. <i>American Journal of Pathology</i> , 2018 , 188, 2774-2785	5.8	8
58	Amniotic Fluid Soluble Myeloid Differentiation-2 (sMD-2) as Regulator of Intra-amniotic Inflammation in Infection-induced Preterm Birth. <i>American Journal of Reproductive Immunology</i> , 2015 , 73, 507-21	3.8	7
57	Hyaluronidase modifies the biomechanical properties of the rat cervix and shortens the duration of labor independent of myometrial contractility. <i>American Journal of Obstetrics and Gynecology</i> , 2010 , 203, 596.e1-5	6.4	7
56	Oxygen free radicals and disorders of pregnancy. <i>Fetal and Maternal Medicine Review</i> , 2001 , 12, 273-298		7
55	Connecting the dots on vertical transmission of SARS-CoV-2 using protein-protein interaction network analysis - Potential roles of placental ACE2 and ENDOU. <i>Placenta</i> , 2021 , 104, 16-19	3.4	7

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