Irina A Buhimschi

List of Publications by Year
in descending order

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209 papers	7,888 citations	50276 46 h-index	66911 78 g-index
214 all docs	214 docs citations	214 times ranked	7391 citing authors

#	Article	IF	Citations
1	Uncultivated Bacteria as Etiologic Agents of Intra-Amniotic Inflammation Leading to Preterm Birth. Journal of Clinical Microbiology, 2009, 47, 38-47.	3.9	290
2	Involvement of a nitric oxide-cyclic guanosine monophosphate pathway in control of human uterine contractility during pregnancy. American Journal of Obstetrics and Gynecology, 1995, 172, 1577-1584.	1.3	228
3	Dysregulation of Hydrogen Sulfide Producing Enzyme Cystathionine Î³-lyase Contributes to Maternal Hypertension and Placental Abnormalities in Preeclampsia. Circulation, 2013, 127, 2514-2522.	1.6	224
4	Pregnancy: Differential regulation of nitric oxide in the rat uterus and cervix during pregnancy and labour. Human Reproduction, 1996, 11, 1755-1766.	0.9	191
5	Protein misfolding, congophilia, oligomerization, and defective amyloid processing in preeclampsia. Science Translational Medicine, 2014, 6, 245ra92.	12.4	181
6	Proteomic biomarker analysis of amniotic fluid for identification of intra-amniotic inflammation. BJOG: an International Journal of Obstetrics and Gynaecology, 2005, 112, 173-181.	2.3	176
7	Protective effect of N-acetylcysteine against fetal death and preterm labor induced by maternal inflammation. American Journal of Obstetrics and Gynecology, 2003, 188, 203-208.	1.3	156
8	Proteomic Profiling of the Amniotic Fluid to Detect Inflammation, Infection, and Neonatal Sepsis. PLoS Medicine, 2007, 4, e18.	8.4	152
9	Comparative Microbial Analysis of Paired Amniotic Fluid and Cord Blood from Pregnancies Complicated by Preterm Birth and Early-Onset Neonatal Sepsis. PLoS ONE, 2013, 8, e56131.	2.5	143
10	Urinary angiogenic factors cluster hypertensive disorders and identify women with severe preeclampsia. American Journal of Obstetrics and Gynecology, 2005, 192, 734-741.	1.3	141
11	Preeclampsia-Related Inflammatory Cytokines Regulate Interleukin-6 Expression in Human Decidual Cells. American Journal of Pathology, 2008, 172, 1571-1579.	3.8	133
12	Pre-eclampsia-like conditions produced by nitric oxide inhibition: effects of L-arginine, D-arginine and steroid hormones. Human Reproduction, 1995, 10, 2723-2730.	0.9	128
13	Proteomic profiling of urine identifies specific fragments of SERPINA1 and albumin as biomarkers of preeclampsia. American Journal of Obstetrics and Gynecology, 2008, 199, 551.e1-551.e16.	1.3	114
14	Reduction-oxidation (redox) state regulation of matrix metalloproteinase activity in human fetal membranes. American Journal of Obstetrics and Gynecology, 2000, 182, 458-464.	1.3	108
15	The nitric oxide pathway in pre-eclampsia: pathophysiological implications. Human Reproduction Update, 1998, 4, 25-42.	10.8	104
16	Proteomic Biomarkers of Intra-amniotic Inflammation: Relationship with Funisitis and Early-onset Sepsis in the Premature Neonate. Pediatric Research, 2007, 61, 318-324.	2.3	100
17	The novel antimicrobial peptide Î²3-defensin is produced by the amnion: A possible role of the fetal membranes in innate immunity of the amniotic cavity. American Journal of Obstetrics and Gynecology, 2004, 191, 1678-1687.	1.3	98
18	Beneficial impact of term labor: Nonenzymatic antioxidant reserve in the human fetus. American Journal of Obstetrics and Gynecology, 2003, 189, 181-188.	1.3	94

#	Article	IF	Citations
19	Electrophysiological Maturation of Cerebral Organoids Correlates with Dynamic Morphological and Cellular Development. Stem Cell Reports, 2020, 15, 855-868.	4.8	94
20	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. American Journal of Obstetrics and Gynecology, 2011, 204, 411.e1-411.e11.	1.3	91
21	Neocolpopoiesis with split-thickness skin graft as a surgical treatment of vaginal agenesis: Retrospective review of 201 cases. American Journal of Obstetrics and Gynecology, 1996, 175, 131-138.	1.3	90
22	Proteomic biomarkers that predict the clinical success of rescue cerclage. American Journal of Obstetrics and Gynecology, 2005, 192, 710-718.	1.3	84
23	Value of Placental Microbial Evaluation in Diagnosing Intra-amniotic Infection. Obstetrics and Gynecology, 2007, 109, 739-749.	2.4	82
24	Polymorphism of Tumor Necrosis Factor-Â and Risk and Severity of Bronchopulmonary Dysplasia Among Very Low Birth Weight Infants. Pediatrics, 2004, 114, e243-e248.	2.1	81
25	Fetal inflammatory response in women with proteomic biomarkers characteristic of intraâ€amniotic inflammation and preterm birth. BJOG: an International Journal of Obstetrics and Gynaecology, 2009, 116, 257-267.	2.3	81
26	Characterization of RAGE, HMGB1, and S100Î² in Inflammation-Induced Preterm Birth and Fetal Tissue Injury. American Journal of Pathology, 2009, 175, 958-975.	3.8	77
27	Soluble TLR2 Is Present in Human Amniotic Fluid and Modulates the Intraamniotic Inflammatory Response to Infection. Journal of Immunology, 2009, 182, 7244-7253.	0.8	75
28	The receptor for advanced glycation end products (RAGE) system in women with intraamniotic infection and inflammation. American Journal of Obstetrics and Gynecology, 2007, 196, 181.e1-181.e13.	1.3	68
29	Interpretation of Amniotic Fluid White Blood Cell Count in â€œBloody Tapâ€•Amniocenteses in Women With Symptoms of Preterm Labor. Obstetrics and Gynecology, 2010, 116, 344-354.	2.4	68
30	Myometrial Wound Healing Post-Cesarean Delivery in the MRL/MpJ Mouse Model of Uterine Scarring. American Journal of Pathology, 2010, 177, 197-207.	3.8	64
31	Using proteomics in perinatal and neonatal sepsis: hopes and challenges for the future. Current Opinion in Infectious Diseases, 2009, 22, 235-243.	3.1	62
32	Compartmentalization of acute phase reactants Interleukin-6, C-Reactive Protein and Procalcitonin as biomarkers of intra-amniotic infection and chorioamnionitis. Cytokine, 2015, 76, 236-243.	3.2	60
33	Human pregnancy zone protein stabilizes misfolded proteins including preeclampsia- and Alzheimerâ€™s-associated amyloid beta peptide. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6101-6110.	7.1	55
34	BCL-2 is involved in preventing oxidant-induced cell death and in decreasing oxygen radical production. Redox Report, 2001, 6, 351-362.	4.5	54
35	Glucocorticoids Enhance CD163 Expression in Placental Hofbauer Cells. Endocrinology, 2013, 154, 471-482.	2.8	54
36	The invasive phenotype of placenta accreta extravillous trophoblasts associates with loss of E-cadherin. Placenta, 2015, 36, 645-651.	1.5	54

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37	Multidimensional Proteomics Analysis of Amniotic Fluid to Provide Insight into the Mechanisms of Idiopathic Preterm Birth. PLoS ONE, 2008, 3, e2049.	2.5	54
38	Human effector/initiator gene sets that regulate myometrial contractility during term and preterm labor. American Journal of Obstetrics and Gynecology, 2010, 202, 474.e1-474.e20.	1.3	53
39	Use of McRoberts' position during delivery and increase in pushing efficiency. Lancet, The, 2001, 358, 470-471.	13.7	52
40	Physical and biomechanical characteristics of rat cervical ripening are not consistent with increased collagenase activity. American Journal of Obstetrics and Gynecology, 2004, 191, 1695-1704.	1.3	52
41	Using Proteomic Analysis of the Human Amniotic Fluid to Identify Histologic Chorioamnionitis. Obstetrics and Gynecology, 2008, 111, 403-412.	2.4	52
42	H19 long noncoding RNA alters trophoblast cell migration and invasion by regulating TÎ²R3 in placentae with fetal growth restriction. Oncotarget, 2016, 7, 38398-38407.	1.8	52
43	Proteomics Mapping of Cord Blood Identifies Haptoglobin â€œSwitch-Onâ€•Pattern as Biomarker of Early-Onset Neonatal Sepsis in Preterm Newborns. PLoS ONE, 2011, 6, e26111.	2.5	51
44	Nucleated red blood cells are a direct response to mediators of inflammation in newborns with early-onset neonatal sepsis. American Journal of Obstetrics and Gynecology, 2008, 198, 426.e1-426.e9.	1.3	50
45	IL-6Trans-Signaling System in Intra-Amniotic Inflammation, Preterm Birth, and Preterm Premature Rupture of the Membranes. Journal of Immunology, 2011, 186, 3226-3236.	0.8	50
46	ATP-Binding Cassette Transporter Expression in Human Placenta as a Function of Pregnancy Condition. Drug Metabolism and Disposition, 2011, 39, 1000-1007.	3.3	50
47	Rupture of the uterine scar during term labour: contractility or biochemistry?. BJOG: an International Journal of Obstetrics and Gynaecology, 2005, 112, 38-42.	2.3	49
48	The effect of fundal pressure manoeuvre on intrauterine pressure in the second stage of labour. BJOG: an International Journal of Obstetrics and Gynaecology, 2002, 109, 520-526.	2.3	47
49	Decreased Levels of Folate Receptorâ€Î² and Reduced Numbers of Fetal Macrophages (<scp>H</scp>ofbauer Cells) in Placentas from Pregnancies with Severe Preâ€Eclampsia. American Journal of Reproductive Immunology, 2013, 70, 104-115.	1.2	47
50	Comprehensive RNA profiling of villous trophoblast and decidua basalis in pregnancies complicated by preterm birth following intra-amniotic infection. Placenta, 2016, 44, 23-33.	1.5	47
51	Myometrial thickness during human labor and immediately post partum. American Journal of Obstetrics and Gynecology, 2003, 188, 553-559.	1.3	46
52	Effects of sublingual nitroglycerin on human uterine contractility during the active phase of labor. American Journal of Obstetrics and Gynecology, 2002, 187, 235-238.	1.3	45
53	Ultrasound Evaluation of the Uterine Scar After Cesarean Delivery. Obstetrics and Gynecology, 2007, 110, 808-813.	2.4	45
54	Placental expression of ceruloplasmin in pregnancies complicated by severe preeclampsia. Laboratory Investigation, 2008, 88, 1057-1067.	3.7	45

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55	Heparin Elevates Circulating Soluble fms-Like Tyrosine Kinase-1 Immunoreactivity in Pregnant Women Receiving Anticoagulation Therapy. Circulation, 2011, 124, 2543-2553.	1.6	45
56	Regulation of vascular adaptation during pregnancy and post-partum: effects of nitric oxide inhibition and steroid hormones. Human Reproduction, 1996, 11, 2777-2784.	0.9	44
57	Preterm birth in rats produced by the synergistic action of a nitric oxide inhibitor (NG-nitro-L-arginine methyl ester) and an antiprogestin (onapristone). American Journal of Obstetrics and Gynecology, 1996, 175, 207-212.	1.3	44
58	Discriminatory proteomic biomarker analysis identifies free hemoglobin in the cerebrospinal fluid of women with severe preeclampsia. American Journal of Obstetrics and Gynecology, 2005, 193, 957-964.	1.3	44
59	Fractional Excretion of Angiogenic Factors in Women With Severe Preeclampsia. Obstetrics and Gynecology, 2006, 107, 1103-1113.	2.4	44
60	Fractional Excretion of Tumor Necrosis Factor-Î± in Women With Severe Preeclampsia. Obstetrics and Gynecology, 2008, 112, 93-100.	2.4	44
61	Novel insights into molecular mechanisms of abruption-induced preterm birth. Expert Reviews in Molecular Medicine, 2010, 12, e35.	3.9	43
62	Ultrasound measurement of fetal adrenal gland enlargement: an accurate predictor of preterm birth. American Journal of Obstetrics and Gynecology, 2011, 204, 311.e1-311.e10.	1.3	43
63	The effect of dystocia and previous cesarean uterine scar on the tensile properties of the lower uterine segment. American Journal of Obstetrics and Gynecology, 2006, 194, 873-883.	1.3	42
64	The elevation in circulating anti-angiogenic factors is independent of markers of neutrophil activation in preeclampsia. Angiogenesis, 2012, 15, 333-340.	7.2	42
65	Pushing in labor: Performance and not endurance. American Journal of Obstetrics and Gynecology, 2002, 186, 1339-1344.	1.3	40
66	Proteomic but Not Enzyme-Linked Immunosorbent Assay Technology Detects Amniotic Fluid Monomeric Calgranulins from Their Complexed Calprotectin Form. Vaccine Journal, 2005, 12, 837-844.	3.1	40
67	Fetal Adrenal Gland Volume and Cortisol/Dehydroepiandrosterone Sulfate Ratio in Inflammation-Associated Preterm Birth. Obstetrics and Gynecology, 2008, 111, 715-722.	2.4	40
68	Histologic changes of the fetal membranes after fetoscopic laser surgery for twin-twin transfusion syndrome. Pediatric Research, 2015, 78, 247-255.	2.3	40
69	Fetal Adrenal Gland Volume. Obstetrics and Gynecology, 2007, 109, 855-862.	2.4	36
70	Extravillous trophoblast invasion in placenta accreta is associated with differential local expression of angiogenic and growth factors: aÂcrossâ€sectional study. BJOG: an International Journal of Obstetrics and Gynaecology, 2018, 125, 1441-1448.	2.3	36
71	Alterations in Syncytiotrophoblast Cytokine Expression Following Treatment with Lipopolysaccharide. American Journal of Reproductive Immunology, 2006, 55, 12-18.	1.2	35
72	Duration of Intrapartum Prophylaxis and Concentration of Penicillin G in Fetal Serum at Delivery. Obstetrics and Gynecology, 2008, 112, 265-270.	2.4	35

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73	The Role of Proteomics in the Diagnosis of Chorioamnionitis and Early-Onset Neonatal Sepsis. Clinics in Perinatology, 2010, 37, 355-374.	2.1	35
74	Congo Red Dot Paper Test for Antenatal Triage and Rapid Identification of Preeclampsia. EClinicalMedicine, 2019, 8, 47-56.	7.1	35
75	Activation of the Receptor for Advanced Glycation End Products System in Women with Severe Preeclampsia. Journal of Clinical Endocrinology and Metabolism, 2011, 96, 689-698.	3.6	34
76	Mechanisms of chorioamnionitisâ€associated preterm birth: interleukinâ€1Î² inhibits progesterone receptor expression in decidual cells. Journal of Pathology, 2015, 237, 423-434.	4.5	33
77	Multidimensional System Biology: Genetic Markers and Proteomic Biomarkers of Adverse Pregnancy Outcome in Preterm Birth. American Journal of Perinatology, 2008, 25, 175-187.	1.4	32
78	Proteomic-Based Detection of a Protein Cluster Dysregulated during Cardiovascular Development Identifies Biomarkers of Congenital Heart Defects. PLoS ONE, 2009, 4, e4221.	2.5	32
79	Sonographic myometrial thickness predicts the latency interval of women with preterm premature rupture of the membranes and oligohydramnios. American Journal of Obstetrics and Gynecology, 2005, 193, 762-770.	1.3	31
80	Contrasting effects of chronic hypoxia and nitric oxide synthase inhibition on circulating angiogenic factors in a rat model of growth restriction. American Journal of Obstetrics and Gynecology, 2007, 196, 72.e1-72.e6.	1.3	31
81	The presence and function of phosphodiesterase type 5 in the rat myometrium. American Journal of Obstetrics and Gynecology, 2004, 190, 268-274.	1.3	30
82	Proteomics of the Amniotic Fluid in Assessment of the Placenta. Relevance for Preterm Birth. Placenta, 2008, 29, 95-101.	1.5	30
83	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. Cytokine, 2016, 81, 82-87.	3.2	30
84	Patterns of Empiric Antibiotic Administration for Presumed Early-Onset Neonatal Sepsis in Neonatal Intensive Care Units in the United States. American Journal of Perinatology, 2017, 34, 640-647.	1.4	30
85	Workâ€“Life Balance and Productivity Among Academic Faculty During the COVID-19 Pandemic: A Latent Class Analysis. Journal of Women's Health, 2022, 31, 321-330.	3.3	28
86	Uterine contractility in women whose fetus is delivered in the occipitoposterior position. American Journal of Obstetrics and Gynecology, 2003, 188, 734-739.	1.3	26
87	Proteomics technology for the accurate diagnosis of inflammation in twin pregnancies. BJOG: an International Journal of Obstetrics and Gynaecology, 2005, 112, 250-255.	2.3	26
88	Fetal Heart Rate Monitoring Patterns in Women with Amniotic Fluid Proteomic Profiles Indicative of Inflammation. American Journal of Perinatology, 2008, 25, 359-372.	1.4	26
89	Unique transcriptomic landscapes identified in idiopathic spontaneous and infection related preterm births compared to normal term births. PLoS ONE, 2019, 14, e0225062.	2.5	26
90	Contrasting effects of diethylenetriamineâ€“nitric oxide, a spontaneously releasing nitric oxide donor, on pregnant rat uterine contractility in vitro versus in vivo. American Journal of Obstetrics and Gynecology, 1997, 177, 690-701.	1.3	25

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91	Marked variation in responses to long-term nitric oxide inhibition during pregnancy in outbred rats from two different colonies. American Journal of Obstetrics and Gynecology, 2001, 184, 686-693.	1.3	25
92	Development and Validation of an Algorithm to Determine Spontaneous versus Providerâ€Initiated Preterm Birth in <scp>US</scp> Vital Records. Paediatric and Perinatal Epidemiology, 2016, 30, 134-140.	1.7	25
93	Distinct regulation of nitric oxide and cyclic guanosine monophosphate production by steroid hormones in the rat uterus. Molecular Human Reproduction, 2000, 6, 404-414.	2.8	24
94	Tumor Necrosis Factor-Î± Allele Lymphotoxin-Î±+250 Is Associated with the Presence and Severity of Placental Inflammation among Preterm Births. Pediatric Research, 2004, 56, 94-98.	2.3	24
95	Proteomics, Part II: The Emerging Role of Proteomics Over Genomics in Spontaneous Preterm Labor/Birth. Obstetrical and Gynecological Survey, 2006, 61, 543-553.	0.4	24
96	Fetal and amniotic fluid iron homeostasis in healthy and complicated murine, macaque, and human pregnancy. JCI Insight, 2020, 5, .	5.0	24
97	THE FORCES OF LABOUR. Fetal and Maternal Medicine Review, 2003, 14, 273-307.	0.3	23
98	Ultrasonographic evaluation of myometrial thickness in twin pregnancies. American Journal of Obstetrics and Gynecology, 2008, 198, 530.e1-530.e10.	1.3	23
99	Proteomics/diagnosis of chorioamnionitis and of relationships with the fetal exposome. Seminars in Fetal and Neonatal Medicine, 2012, 17, 36-45.	2.3	23
100	Components of the antepartum, intrapartum, and postpartum exposome impact on distinct short-term adverse neonatal outcomes of premature infants: A prospective cohort study. PLoS ONE, 2018, 13, e0207298.	2.5	23
101	Clinical Proteomics: A Novel Diagnostic Tool for the New Biology of Preterm Labor, Part I: Proteomics Tools. Obstetrical and Gynecological Survey, 2006, 61, 481-486.	0.4	22
102	Serum and urine inhibin A but not free activin A are endocrine biomarkers of severe pre-eclampsia. American Journal of Obstetrics and Gynecology, 2006, 195, 1636-1645.	1.3	22
103	Single Nucleotide Polymorphisms in the Human Progesterone Receptor Gene and Spontaneous Preterm Birth. Reproductive Sciences, 2008, 15, 147-155.	2.5	22
104	Cord blood erythropoietin and interleukin-6 for prediction of intraventricular hemorrhage in the preterm neonate. Journal of Maternal-Fetal and Neonatal Medicine, 2011, 24, 673-679.	1.5	22
105	Progestin inhibits and thrombin stimulates the plasminogen activator/inhibitor system in term decidual stromal cells: implications for parturition. American Journal of Obstetrics and Gynecology, 2007, 196, 382.e1-382.e8.	1.3	21
106	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. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 3428-3436.	3.6	21
107	Serum and Urine Thioflavin-Tâ€“Enhanced Fluorescence in Severe Preeclampsia. Hypertension, 2018, 71, 1185-1192.	2.7	21
108	Dysregulation of Lipid Metabolism in Mkp-1 Deficient Mice during Gram-Negative Sepsis. International Journal of Molecular Sciences, 2018, 19, 3904.	4.1	21

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109	Decidual cell FKBP51â€“progesterone receptor binding mediates maternal stressâ€“induced preterm birth. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	21
110	The role of urinary soluble endoglin in the diagnosis of preâ€eclampsia: comparison with soluble fmsâ€like tyrosine kinase 1 to placental growth factor ratio. BJOG: an International Journal of Obstetrics and Gynaecology, 2010, 117, 321-330.	2.3	20
111	Comparative Analysis of 2-D Versus 3-D Ultrasound Estimation of the Fetal Adrenal Gland Volume and Prediction of Preterm Birth. American Journal of Perinatology, 2012, 29, 673-680.	1.4	20
112	Modulation of Amniotic Fluid Activinâ€A and Inhibinâ€A in Women With Preterm Premature Rupture of the Membranes and Infectionâ€Induced Preterm Birth. American Journal of Reproductive Immunology, 2012, 67, 122-131.	1.2	20
113	Limiting the Exposure of Select Fetuses to Intrauterine Infection/Inflammation Improves Short-Term Neonatal Outcomes in Preterm Premature Rupture of Membranes. Fetal Diagnosis and Therapy, 2017, 42, 99-110.	1.4	20
114	Role of Resultant Dipole Moment in Mechanical Dissociation of Biological Complexes. Molecules, 2018, 23, 1995.	3.8	20
115	Skin Microbiota in Obese Women at Risk for Surgical Site Infection After Cesarean Delivery. Scientific Reports, 2018, 8, 8756.	3.3	20
116	Antenatal Corticosteroids Impact the Inflammatory Rather Than the Antiangiogenic Profile of Women With Preeclampsia. Hypertension, 2014, 63, 1285-1292.	2.7	19
117	Comparing human and macaque placental transcriptomes to disentangle preterm birth pathology from gestational age effects. Placenta, 2016, 41, 74-82.	1.5	19
118	Advances in medical diagnosis of intra-amniotic infection. Expert Opinion on Medical Diagnostics, 2013, 7, 5-16.	1.6	18
119	The Effect of Progestins on Tumor Necrosis Factor Î±-Induced Matrix Metalloproteinase-9 Activity and Gene Expression in Human Primary Amnion and Chorion Cells In Vitro. Anesthesia and Analgesia, 2015, 120, 1085-1094.	2.2	18
120	Integrated microRNA and mRNA network analysis of the human myometrial transcriptome in the transition from quiescence to laborâ€,â€¡. Biology of Reproduction, 2018, 98, 834-845.	2.7	18
121	The effect of indomethacin and prostacyclin agonists on blood pressure in a rat model of preeclampsia. American Journal of Obstetrics and Gynecology, 1999, 180, 1191-1195.	1.3	17
122	Placental growth factor in the cerebrospinal fluid of women with preeclampsia. International Journal of Gynecology and Obstetrics, 2006, 92, 32-37.	2.3	17
123	Advantages of Vaginal Delivery. Clinical Obstetrics and Gynecology, 2006, 49, 167-183.	1.1	17
124	Calciprotein particles as potential etiologic agents of idiopathic preterm birth. Science Translational Medicine, 2016, 8, 364ra154.	12.4	17
125	Fetal renal artery impedance as assessed by Doppler ultrasound in pregnancies complicated by intraamniotic inflammation and preterm birth. American Journal of Obstetrics and Gynecology, 2009, 200, 203.e1-203.e11.	1.3	16
126	The effect of an endothelin antagonist on blood pressure in a rat model of preeclampsia. American Journal of Obstetrics and Gynecology, 1999, 181, 638-641.	1.3	15

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127	Fetal nucleated red blood cells in a rat model of intrauterine growth restriction induced by hypoxia and nitric oxide synthase inhibition. American Journal of Obstetrics and Gynecology, 2007, 196, 482.e1-482.e8.	1.3	15
128	The effect of chronic nitric oxide synthase inhibition on blood pressure and heart rate in unrestrained pregnant rats as recorded by radiotelemetry. American Journal of Obstetrics and Gynecology, 1999, 181, 159-164.	1.3	14
129	A low vaginal â€œpoolâ€•amniotic fluid glucose measurement is a predictive but not a sensitive marker for infection in women with preterm premature rupture of membranes. American Journal of Obstetrics and Gynecology, 2006, 194, 309-316.	1.3	14
130	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. Journal of Angiogenesis Research, 2010, 2, 8.	2.9	14
131	Imbalance of Amniotic Fluid Activin-A and Follistatin in Intraamniotic Infection, Inflammation, and Preterm Birth. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 2785-2793.	3.6	14
132	Preterm Birth and Gestational Length in Four Raceâ€“Nativity Groups, Including Somali Americans. Obstetrics and Gynecology, 2018, 131, 281-289.	2.4	14
133	Progestins Inhibit Tumor Necrosis Factor Î±â€”Induced Matrix Metalloproteinase 9 Activity via the Glucocorticoid Receptor in Primary Amnion Epithelial Cells. Reproductive Sciences, 2019, 26, 1193-1202.	2.5	14
134	Antenatal N-acetylcysteine to improve outcomes of premature infants with intra-amniotic infection and inflammation (Triple I): randomized clinical trial. Pediatric Research, 2021, 89, 175-184.	2.3	14
135	Evidence for participation of neutrophil gelatinaseâ€associated lipocalin/matrix metalloproteinaseâ€9 (<scp>NGAL</scp>â€¢<scp>MMP</scp>â€9) complex in the inflammatory response to infection in pregnancies complicated by preterm birth. American Journal of Reproductive Immunology, 2016, 76, 108-117.	1.2	13
136	Hepcidin, an Iron Regulatory Hormone of Innate Immunity, is Differentially Expressed in Premature Fetuses with Early-Onset Neonatal Sepsis. American Journal of Perinatology, 2018, 35, 865-872.	1.4	13
137	Effect of stimulatory and inhibitory drugs on uterine electrical activity measured noninvasively from the abdominal surface of pregnant rats. American Journal of Obstetrics and Gynecology, 2000, 183, 68-75.	1.3	12
138	Differential alterations in responsiveness in particulate and soluble guanylate cyclases in pregnant guinea pig myometrium. American Journal of Obstetrics and Gynecology, 2000, 183, 1512-1519.	1.3	12
139	Proteomics: A Novel Methodology to Complement Prenatal Diagnosis of Chromosomal Abnormalities and Inherited Human Diseases. American Journal of Perinatology, 2007, 24, 167-181.	1.4	12
140	Proteasome Levels and Activity in Pregnancies Complicated by Severe Preeclampsia and Hemolysis, Elevated Liver Enzymes, and Thrombocytopenia (HELLP) Syndrome. Hypertension, 2019, 73, 1308-1318.	2.7	12
141	Congo red test for identification of preeclampsia: Results of a prospective diagnostic case-control study in Bangladesh and Mexico. EClinicalMedicine, 2021, 31, 100678.	7.1	12
142	Using SELDI-TOF Mass Spectrometry on Amniotic Fluid and for Clinical Proteomics and Theranostics in Disorders of Pregnancy. Methods in Molecular Biology, 2012, 818, 171-197.	0.9	12
143	Insight into innate immunity of the uterine cervix as a host defense mechanism against infection and preterm birth. Expert Review of Obstetrics and Gynecology, 2009, 4, 9-15.	0.4	11
144	Human Placenta Expresses Î±2-Adrenergic Receptors and May Be Implicated in Pathogenesis of Preeclampsia and Fetal Growth Restriction. American Journal of Pathology, 2018, 188, 2774-2785.	3.8	11

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145	Who said differentiating preeclampsia from COVID-19 infection was easy?. Pregnancy Hypertension, 2021, 26, 8-10.	1.4	11
146	Hyaluronidase modifies the biomechanical properties of the rat cervix and shortens the duration of labor independent of myometrial contractility. American Journal of Obstetrics and Gynecology, 2010, 203, 596.e1-596.e5.	1.3	10
147	Identification of haptoglobin switch-on status in archived placental specimens indicates antenatal exposure to inflammation and potential participation of the fetus in triggering preterm birth. Placenta, 2018, 62, 50-57.	1.5	10
148	Connecting the dots on vertical transmission of SARS-CoV-2 using protein-protein interaction network analysis â€“ Potential roles of placental ACE2 and ENDOU. Placenta, 2021, 104, 16-19.	1.5	10
149	Chorion releases a factor that inhibits oxytocin-stimulated myometrial contractility in the pregnant guinea pig. Human Reproduction, 2001, 16, 638-643.	0.9	10
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