

# Leslie Myatt

## List of Publications by Year in descending order

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Version: 2024-02-01

66  
papers

4,752  
citations

136950

32  
h-index

106344

65  
g-index

69  
all docs

69  
docs citations

69  
times ranked

5445  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidative stress in the placenta. <i>Histochemistry and Cell Biology</i> , 2004, 122, 369-382.	1.7	664
2	Placental adaptive responses and fetal programming. <i>Journal of Physiology</i> , 2006, 572, 25-30.	2.9	428
3	Vitamins C and E to Prevent Complications of Pregnancy-Associated Hypertension. <i>New England Journal of Medicine</i> , 2010, 362, 1282-1291.	27.0	344
4	Role of Placenta in Preeclampsia. <i>Endocrine</i> , 2002, 19, 103-112.	2.2	238
5	First-Trimester Prediction of Preeclampsia in Nulliparous Women at Low Risk. <i>Obstetrics and Gynecology</i> , 2012, 119, 1234-1242.	2.4	172
6	Preeclampsia: Syndrome or Disease?. <i>Current Hypertension Reports</i> , 2015, 17, 83.	3.5	157
7	Strategy for Standardization of Preeclampsia Research Study Design. <i>Hypertension</i> , 2014, 63, 1293-1301.	2.7	155
8	Prediction of preeclampsia. <i>Seminars in Perinatology</i> , 1999, 23, 45-57.	2.5	139
9	Hemeoxygenase expression in human placenta and placental bed implies a role in regulation of trophoblast invasion and placental function. <i>FASEB Journal</i> , 2000, 14, 208-219.	0.5	133
10	Impaired mitochondrial function in human placenta with increased maternal adiposity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 307, E419-E425.	3.5	129
11	Obesity and Placental Function. <i>Seminars in Reproductive Medicine</i> , 2016, 34, 042-049.	1.1	128
12	Role of peroxynitrite in altered fetal-placental vascular reactivity in diabetes or preeclampsia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 278, H1311-H1319.	3.2	127
13	Pregnancy and Long-Term Maternal Cardiovascular Health. <i>Hypertension</i> , 2016, 67, 251-260.	2.7	121
14	Subtypes of Preeclampsia: Recognition and Determining Clinical Usefulness. <i>Hypertension</i> , 2021, 77, 1430-1441.	2.7	111
15	Heme oxygenase expression in human placenta and placental bed: reduced expression of placenta endothelial HO-2 in preeclampsia and fetal growth restriction. <i>FASEB Journal</i> , 2001, 15, 1158-1168.	0.5	109
16	Mitochondrial function and glucose metabolism in the placenta with gestational diabetes mellitus: role of miR-143. <i>Clinical Science</i> , 2016, 130, 931-941.	4.3	101
17	Alterations in the placental methylome with maternal obesity and evidence for metabolic regulation. <i>PLoS ONE</i> , 2017, 12, e0186115.	2.5	89
18	Enhancement of Glucocorticoid-Induced 11 $\beta$ -Hydroxysteroid Dehydrogenase Type 1 Expression by Proinflammatory Cytokines in Cultured Human Amnion Fibroblasts. <i>Endocrinology</i> , 2003, 144, 5568-5577.	2.8	88

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19	Glucocorticoids Induce Cytosolic Phospholipase A2 and Prostaglandin H Synthase Type 2 But Not Microsomal Prostaglandin E Synthase (PGES) and Cytosolic PGES Expression in Cultured Primary Human Amnion Cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003, 88, 5564-5571.	3.6	74
20	Sexual dimorphism in the effect of maternal obesity on antioxidant defense mechanisms in the human placenta. <i>Placenta</i> , 2017, 51, 64-69.	1.5	70
21	Sexual dimorphism in activation of placental autophagy in obese women with evidence for fetal programming from a placenta-specific mouse model. <i>Autophagy</i> , 2016, 12, 752-769.	9.1	64
22	Expression, localization and function of prostaglandin receptors in myometrium. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2004, 70, 137-148.	2.2	63
23	Role of glucocorticoid receptor and CCAAT/enhancer-binding protein $\beta$ in the feed-forward induction of $11\beta$ -hydroxysteroid dehydrogenase type 1 expression by cortisol in human amnion fibroblasts. <i>Journal of Endocrinology</i> , 2007, 195, 241-253.	2.6	63
24	Role of fetal membranes in signaling of fetal maturation and parturition. <i>International Journal of Developmental Biology</i> , 2010, 54, 545-553.	0.6	62
25	Prostaglandin F $2\alpha$ Potentiates Cortisol Production by Stimulating $11\beta$ -Hydroxysteroid Dehydrogenase 1: A Novel Feedback Loop That May Contribute to Human Labor. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001, 86, 5585-5592.	3.6	53
26	Phosphorylation of STAT3 mediates the induction of cyclooxygenase-2 by cortisol in the human amnion at parturition. <i>Science Signaling</i> , 2015, 8, ra106.	3.6	51
27	Mechanistic Target of Rapamycin Complex 1 Promotes the Expression of Genes Encoding Electron Transport Chain Proteins and Stimulates Oxidative Phosphorylation in Primary Human Trophoblast Cells by Regulating Mitochondrial Biogenesis. <i>Scientific Reports</i> , 2019, 9, 246.	3.3	51
28	Effect of Preeclampsia on Placental Function: Influence of Sexual Dimorphism, microRNAs and Mitochondria. <i>Advances in Experimental Medicine and Biology</i> , 2014, 814, 133-146.	1.6	48
29	Incidence of early-onset sepsis in infants born to women with clinical chorioamnionitis. <i>Journal of Perinatal Medicine</i> , 2018, 46, 926-933.	1.4	41
30	Adverse Pregnancy Outcomes among Women with Prior Spontaneous or Induced Abortions. <i>American Journal of Perinatology</i> , 2014, 31, 765-772.	1.4	39
31	$11\beta$ -HSD1 in Human Fetal Membranes as a Potential Therapeutic Target for Preterm Birth. <i>Endocrine Reviews</i> , 2018, 39, 241-260.	20.1	35
32	Maternal obesity alters brain derived neurotrophic factor (BDNF) signaling in the placenta in a sexually dimorphic manner. <i>Placenta</i> , 2017, 49, 55-63.	1.5	34
33	PGE2 vs PGF $2\alpha$ in human parturition. <i>Placenta</i> , 2021, 104, 208-219.	1.5	32
34	Human Retinal Vascular Cells Differ from Umbilical Cells in Synthetic Functions and Their Response to Glucose. <i>Experimental Biology and Medicine</i> , 1992, 199, 183-191.	2.4	31
35	Epigenetics of Human Myometrium: DNA Methylation of Genes Encoding Contraction-Associated Proteins in Term and Preterm Labor. <i>Biology of Reproduction</i> , 2014, 90, 98.	2.7	31
36	Placental mitochondrial dysfunction with metabolic diseases: Therapeutic approaches. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 165967.	3.8	31

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37	Use of Glucose, Glutamine, and Fatty Acids for Trophoblast Respiration in Lean Women, Women With Obesity, and Women With Gestational Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 4178-4187.	3.6	30
38	Induction of PGF2 $\pm$ Synthesis by Cortisol Through GR Dependent Induction of CBR1 in Human Amnion Fibroblasts. <i>Endocrinology</i> , 2014, 155, 3017-3024.	2.8	27
39	A Standardized Template for Clinical Studies in Preterm Birth. <i>Reproductive Sciences</i> , 2012, 19, 474-482.	2.5	26
40	Inhibition of Lysyl Oxidase by Cortisol Regeneration in Human Amnion: Implications for Rupture of Fetal Membranes. <i>Endocrinology</i> , 2016, 157, 4055-4065.	2.8	25
41	Autophagic Degradation of Collagen 1A1 by Cortisol in Human Amnion Fibroblasts. <i>Endocrinology</i> , 2017, 158, 1005-1014.	2.8	23
42	Melatonin Improves Mitochondrial Respiration in Syncytiotrophoblasts From Placentas of Obese Women. <i>Reproductive Sciences</i> , 2018, 25, 120-130.	2.5	22
43	Effects of Prenatal Nutrition and the Role of the Placenta in Health and Disease. <i>Methods in Molecular Biology</i> , 2018, 1735, 19-46.	0.9	21
44	The prediction of preeclampsia: the way forward. <i>American Journal of Obstetrics and Gynecology</i> , 2022, 226, S1102-S1107.e8.	1.3	21
45	AKAP95-mediated nuclear anchoring of PKA mediates cortisol-induced <i>PTGS2</i> expression in human amnion fibroblasts. <i>Science Signaling</i> , 2017, 10, .	3.6	20
46	Activation of prostaglandin EP4 receptor attenuates the induction of cyclooxygenase $\epsilon$ 2 expression by EP2 receptor activation in human amnion fibroblasts: implications for parturition. <i>FASEB Journal</i> , 2019, 33, 8148-8160.	0.5	19
47	Induction of G $\pm$ s Contributes to the Paradoxical Stimulation of Cytosolic Phospholipase A2 $\pm$ Expression by Cortisol in Human Amnion Fibroblasts. <i>Molecular Endocrinology</i> , 2010, 24, 1052-1061.	3.7	18
48	COVID-19: Challenges and Lessons Learned from Early Career Investigators. <i>Journal of Women's Health</i> , 2020, 29, 752-754.	3.3	18
49	Waist-to-Hip Ratio versus Body Mass Index as Predictor of Obesity-Related Pregnancy Outcomes. <i>American Journal of Perinatology</i> , 2016, 33, 618-624.	1.4	14
50	Inhibition of lysyl oxidase by prostaglandin E2 via EP2/EP4 receptors in human amnion fibroblasts: Implications for parturition. <i>Molecular and Cellular Endocrinology</i> , 2016, 424, 118-127.	3.2	14
51	C/EBP $\hat{\nu}$ drives key endocrine signals in the human amnion at parturition. <i>Clinical and Translational Medicine</i> , 2021, 11, e416.	4.0	14
52	Differences in Glycolysis and Mitochondrial Respiration between Cytotrophoblast and Syncytiotrophoblast In-Vitro: Evidence for Sexual Dimorphism. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10875.	4.1	13
53	Neutralizing antibody activity against SARS-CoV-2 variants in gestational age $\epsilon$ “matched mother-infant dyads after infection or vaccination. <i>JCI Insight</i> , 2022, 7, .	5.0	13
54	Availability of COLLECT, a database for pregnancy and placental research studies worldwide. <i>Placenta</i> , 2017, 57, 223-224.	1.5	12

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55	Daily Ethanol Drinking Followed by an Abstinence Period Impairs Bone Marrow Niche and Mitochondrial Function of Hematopoietic Stem/Progenitor Cells in Rhesus Macaques. <i>Alcoholism: Clinical and Experimental Research</i> , 2020, 44, 1088-1098.	2.4	11
56	Tropomyosin Receptor Kinase B Agonist, 7,8-Dihydroxyflavone, Improves Mitochondrial Respiration in Placentas From Obese Women. <i>Reproductive Sciences</i> , 2018, 25, 452-462.	2.5	6
57	Adverse Maternal and Neonatal Outcomes in Indicated Compared with Spontaneous Preterm Birth in Healthy Nulliparas: A Secondary Analysis of a Randomized Trial. <i>American Journal of Perinatology</i> , 2018, 35, 624-631.	1.4	6
58	Risk of Ischemic Placental Disease in Relation to Family History of Preeclampsia. <i>American Journal of Perinatology</i> , 2019, 36, 624-631.	1.4	6
59	The Human Placenta in Health and Disease. <i>Obstetrics and Gynecology Clinics of North America</i> , 2020, 47, xv-xviii.	1.9	6
60	Novel thoughts on preterm birth research proceedings of the 13th annual preterm birth international collaborative (PREBIC) meeting. <i>Seminars in Perinatology</i> , 2017, 41, 438-441.	2.5	4
61	Differences in Placental Imprinted Gene Expression across Preeclamptic and Non-Preeclamptic Pregnancies. <i>Genes</i> , 2020, 11, 1146.	2.4	3
62	Advancing understanding of maternal age: correlating epigenetic clocks in blood and myometrium. , 2022, 2, .		3
63	Role of EZH2-mediated H3K27me3 in placental ADAM12-S expression: implications for fetoplacental growth. <i>BMC Medicine</i> , 2022, 20, .	5.5	2
64	Is Mid-trimester Insulin Resistance Predictive of Subsequent Puerperal Infection? A Secondary Analysis of Randomized Trial Data. <i>American Journal of Perinatology</i> , 2016, 33, 983-990.	1.4	1
65	Preface IFPA meeting 2016. <i>Placenta</i> , 2017, 60, S2-S4.	1.5	0
66	The Global Pregnancy Collaboration (CoLab) Biobank of rare placentas. <i>Placenta</i> , 2021, 114, 50-51.	1.5	0