

Adi L Tarca

List of Publications by Year in descending order

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Version: 2024-02-01

115
papers

8,149
citations

71102

41
h-index

53230

85
g-index

121
all docs

121
docs citations

121
times ranked

10043
citing authors

#	ARTICLE	IF	CITATIONS
1	Maternal plasma cytokines and the subsequent risk of uterine atony and postpartum hemorrhage. <i>Journal of Perinatal Medicine</i> , 2023, 51, 219-232.	1.4	2
2	Proteomic signatures predict preeclampsia in individual cohorts but not across cohorts “ implications for clinical biomarker studies. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2022, 35, 5621-5628.	1.5	20
3	Prediction of preeclampsia throughout gestation with maternal characteristics and biophysical and biochemical markers: a longitudinal study. <i>American Journal of Obstetrics and Gynecology</i> , 2022, 226, 126.e1-126.e22.	1.3	18
4	Transcriptome changes in maternal peripheral blood during term parturition mimic perturbations preceding spontaneous preterm birth. <i>Biology of Reproduction</i> , 2022, 106, 185-199.	2.7	14
5	Maternal-fetal immune responses in pregnant women infected with SARS-CoV-2. <i>Nature Communications</i> , 2022, 13, 320.	12.8	117
6	The amniotic fluid proteome changes with gestational age in normal pregnancy: a cross-sectional study. <i>Scientific Reports</i> , 2022, 12, 601.	3.3	12
7	Study protocol to quantify the genetic architecture of sonographic cervical length and its relationship to spontaneous preterm birth. <i>BMJ Open</i> , 2022, 12, e053631.	1.9	3
8	A single-cell atlas of the myometrium in human parturition. <i>JCI Insight</i> , 2022, 7, .	5.0	35
9	Early pathways, biomarkers, and four distinct molecular subclasses of preeclampsia: The intersection of clinical, pathological, and high-dimensional biology studies. <i>Placenta</i> , 2022, 125, 10-19.	1.5	19
10	Distinct Cellular Immune Responses to SARS-CoV-2 in Pregnant Women. <i>Journal of Immunology</i> , 2022, 208, 1857-1872.	0.8	16
11	Pregnancy tailors endotoxin-induced monocyte and neutrophil responses in the maternal circulation. <i>Inflammation Research</i> , 2022, 71, 653-668.	4.0	10
12	Proteoglycans: Systems-Level Insight into Their Expression in Healthy and Diseased Placentas. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5798.	4.1	8
13	The amniotic fluid proteome predicts imminent preterm delivery in asymptomatic women with a short cervix. <i>Scientific Reports</i> , 2022, 12, .	3.3	4
14	Preterm labor is characterized by a high abundance of amniotic fluid prostaglandins in patients with intra-amniotic infection or sterile intra-amniotic inflammation. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2021, 34, 4009-4024.	1.5	22
15	Maternal whole blood mRNA signatures identify women at risk of early preeclampsia: a longitudinal study. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2021, 34, 3463-3474.	1.5	36
16	Gasdermin D: in vivo evidence of pyroptosis in spontaneous labor at term. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2021, 34, 569-579.	1.5	8
17	Vaginal host immune-microbiome interactions in a cohort of primarily African-American women who ultimately underwent spontaneous preterm birth or delivered at term. <i>Cytokine</i> , 2021, 137, 155316.	3.2	19
18	RNA Sequencing Reveals Diverse Functions of Amniotic Fluid Neutrophils and Monocytes/Macrophages in Intra-Amniotic Infection. <i>Journal of Innate Immunity</i> , 2021, 13, 63-82.	3.8	29

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19	Personalized assessment of cervical length improves prediction of spontaneous preterm birth: a standard and a percentile calculator. <i>American Journal of Obstetrics and Gynecology</i> , 2021, 224, 288.e1-288.e17.	1.3	32
20	Reduced fetal growth velocity precedes antepartum fetal death. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021, 57, 942-952.	1.7	18
21	Disorders of placental villous maturation are present in one-third of cases with spontaneous preterm labor. <i>Journal of Perinatal Medicine</i> , 2021, 49, 412-430.	1.4	17
22	Human Chorionic Gonadotropin Modulates the Transcriptome of the Myometrium and Cervix in Late Gestation. <i>Reproductive Sciences</i> , 2021, 28, 2246-2260.	2.5	1
23	RNA Sequencing Reveals Distinct Immune Responses in the Chorioamniotic Membranes of Women with Preterm Labor and Microbial or Sterile Intra-amniotic Inflammation. <i>Infection and Immunity</i> , 2021, 89, .	2.2	24
24	Crowdsourcing assessment of maternal blood multi-omics for predicting gestational age and preterm birth. <i>Cell Reports Medicine</i> , 2021, 2, 100323.	6.5	47
25	The amniotic fluid cell-free transcriptome in spontaneous preterm labor. <i>Scientific Reports</i> , 2021, 11, 13481.	3.3	11
26	Bacteria in the amniotic fluid without inflammation: early colonization vs. contamination. <i>Journal of Perinatal Medicine</i> , 2021, 49, 1103-1121.	1.4	10
27	SARS-CoV-2 and the subsequent development of preeclampsia and preterm birth: evidence of a dose-response relationship supporting causality. <i>American Journal of Obstetrics and Gynecology</i> , 2021, 225, 689-693.e1.	1.3	41
28	The Distinct Immune Nature of the Fetal Inflammatory Response Syndrome Type I and Type II. <i>ImmunoHorizons</i> , 2021, 5, 735-751.	1.8	10
29	Gestational Age Dependence of the Maternal Circulating Long Non-Coding RNA Transcriptome During Normal Pregnancy Highlights Antisense and Pseudogene Transcripts. <i>Frontiers in Genetics</i> , 2021, 12, 760849.	2.3	7
30	Prediction of adverse perinatal outcome by fetal biometry: comparison of customized and population-based standards. <i>Ultrasound in Obstetrics and Gynecology</i> , 2020, 55, 177-188.	1.7	52
31	Prostaglandin and prostamide concentrations in amniotic fluid of women with spontaneous labor at term with and without clinical chorioamnionitis. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2020, 163, 102195.	2.2	7
32	Regulatory T Cells Play a Role in a Subset of Idiopathic Preterm Labor/Birth and Adverse Neonatal Outcomes. <i>Cell Reports</i> , 2020, 32, 107874.	6.4	71
33	Proteomic identification of Placental Protein 1 (PP1), PP8, and PP22 and characterization of their placental expression in healthy pregnancies and in preeclampsia. <i>Placenta</i> , 2020, 99, 197-207.	1.5	3
34	Amniotic fluid cell-free transcriptome: a glimpse into fetal development and placental cellular dynamics during normal pregnancy. <i>BMC Medical Genomics</i> , 2020, 13, 25.	1.5	25
35	Fetal growth percentile software: a tool to calculate estimated fetal weight percentiles for 6 standards. <i>American Journal of Obstetrics and Gynecology</i> , 2020, 222, 625-628.	1.3	4
36	Placenta-Specific Genes, Their Regulation During Villous Trophoblast Differentiation and Dysregulation in Preterm Preeclampsia. <i>International Journal of Molecular Sciences</i> , 2020, 21, 628.	4.1	30

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37	Compartmentalized profiling of amniotic fluid cytokines in women with preterm labor. PLoS ONE, 2020, 15, e0227881.	2.5	44
38	Maternal circulating concentrations of soluble Fas and Elabela in early- and late-onset preeclampsia. Journal of Maternal-Fetal and Neonatal Medicine, 2020, , 1-14.	1.5	14
39	Gene selection for optimal prediction of cell position in tissues from single-cell transcriptomics data. Life Science Alliance, 2020, 3, e202000867.	2.8	20
40	Does the human placenta express the canonical cell entry mediators for SARS-CoV-2?. ELife, 2020, 9, .	6.0	222
41	Pregnancy-specific transcriptional changes upon endotoxin exposure in mice. Journal of Perinatal Medicine, 2020, 48, 700-722.	1.4	7
42	Gasdermin D: Evidence of pyroptosis in spontaneous preterm labor with sterile intra-amniotic inflammation or intra-amniotic infection. American Journal of Reproductive Immunology, 2019, 82, e13184.	1.2	33
43	Targeted expression profiling by RNA-Seq improves detection of cellular dynamics during pregnancy and identifies a role for T cells in term parturition. Scientific Reports, 2019, 9, 848.	3.3	46
44	Exhausted and Senescent T Cells at the Maternal-Fetal Interface in Preterm and Term Labor. Journal of Immunology Research, 2019, 2019, 1-16.	2.2	44
45	The prediction of early preeclampsia: Results from a longitudinal proteomics study. PLoS ONE, 2019, 14, e0217273.	2.5	81
46	Effector and Activated T Cells Induce Preterm Labor and Birth That Is Prevented by Treatment with Progesterone. Journal of Immunology, 2019, 202, 2585-2608.	0.8	120
47	The plasma metabolome of women in early pregnancy differs from that of non-pregnant women. PLoS ONE, 2019, 14, e0224682.	2.5	29
48	The Cellular Transcriptome in the Maternal Circulation During Normal Pregnancy: A Longitudinal Study. Frontiers in Immunology, 2019, 10, 2863.	4.8	43
49	Clinical chorioamnionitis at term IX: <i>in vivo</i> evidence of intra-amniotic inflammasome activation. Journal of Perinatal Medicine, 2019, 47, 276-287.	1.4	44
50	The profiles of soluble adhesion molecules in the "great obstetrical syndromes". Journal of Maternal-Fetal and Neonatal Medicine, 2019, 32, 2113-2136.	1.5	32
51	The diagnostic performance of the beta-glucan assay in the detection of intra-amniotic infection with Candida species. Journal of Maternal-Fetal and Neonatal Medicine, 2019, 32, 1703-1720.	1.5	18
52	Single cell transcriptional signatures of the human placenta in term and preterm parturition. ELife, 2019, 8, .	6.0	216
53	A new customized fetal growth standard for African American women: the PRB/NICHD Detroit study. American Journal of Obstetrics and Gynecology, 2018, 218, S679-S691.e4.	1.3	30
54	Fetal size standards to diagnose a small- or a large-for-gestational-age fetus. American Journal of Obstetrics and Gynecology, 2018, 218, S605-S607.	1.3	15

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55	Maternal plasma-soluble ST2 concentrations are elevated prior to the development of early and late onset preeclampsia – a longitudinal study. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2018, 31, 418-432.	1.5	26
56	Species translatable blood gene signature as a marker of exposure to smoking: Computational approaches of the top ranked teams in the sbv IMPROVER Systems Toxicology Challenge. <i>Computational Toxicology</i> , 2018, 5, 25-30.	3.3	1
57	Human blood gene signature as a marker for smoking exposure: Computational approaches of the top ranked teams in the sbv IMPROVER Systems Toxicology challenge. <i>Computational Toxicology</i> , 2018, 5, 31-37.	3.3	3
58	The sbv IMPROVER Systems Toxicology computational challenge: Identification of human and species-independent blood response markers as predictors of smoking exposure and cessation status. <i>Computational Toxicology</i> , 2018, 5, 38-51.	3.3	13
59	Inflammasome activation during spontaneous preterm labor with intra-amniotic infection or sterile intra-amniotic inflammation. <i>American Journal of Reproductive Immunology</i> , 2018, 80, e13049.	1.2	73
60	Integrated Systems Biology Approach Identifies Novel Maternal and Placental Pathways of Preeclampsia. <i>Frontiers in Immunology</i> , 2018, 9, 1661.	4.8	146
61	A Role for the Inflammasome in Spontaneous Preterm Labor With Acute Histologic Chorioamnionitis. <i>Reproductive Sciences</i> , 2017, 24, 1382-1401.	2.5	93
62	The maternal plasma proteome changes as a function of gestational age in normal pregnancy: a longitudinal study. <i>American Journal of Obstetrics and Gynecology</i> , 2017, 217, 67.e1-67.e21.	1.3	66
63	The cytokine network in women with an asymptomatic short cervix and the risk of preterm delivery. <i>American Journal of Reproductive Immunology</i> , 2017, 78, e12686.	1.2	35
64	The prediction of fetal death with a simple maternal blood test at 24-28 weeks: a role for angiogenic index-1 (PlGF/sVEGFR-1 ratio). <i>American Journal of Obstetrics and Gynecology</i> , 2017, 217, 682.e1-682.e13.	1.3	31
65	The prediction of late-onset preeclampsia: Results from a longitudinal proteomics study. <i>PLoS ONE</i> , 2017, 12, e0181468.	2.5	84
66	Altered Levels of Serum Ceramide, Sphingosine and Sphingomyelin Are Associated with Colorectal Cancer: A Retrospective Pilot Study. <i>Anticancer Research</i> , 2017, 37, 1213-1218.	1.1	31
67	Single and Serial Fetal Biometry to Detect Preterm and Term Small- and Large-for-Gestational-Age Neonates: A Longitudinal Cohort Study. <i>PLoS ONE</i> , 2016, 11, e0164161.	2.5	45
68	Clinical chorioamnionitis at term: the amniotic fluid fatty acyl lipidome. <i>Journal of Lipid Research</i> , 2016, 57, 1906-1916.	4.2	42
69	Lipidomic analysis of patients with microbial invasion of the amniotic cavity reveals up-regulation of leukotriene B ₄ . <i>FASEB Journal</i> , 2016, 30, 3296-3307.	0.5	43
70	An M1-like Macrophage Polarization in Decidual Tissue during Spontaneous Preterm Labor That Is Attenuated by Rosiglitazone Treatment. <i>Journal of Immunology</i> , 2016, 196, 2476-2491.	0.8	147
71	Invariant NKT Cell Activation Induces Late Preterm Birth That Is Attenuated by Rosiglitazone. <i>Journal of Immunology</i> , 2016, 196, 1044-1059.	0.8	76
72	Transcriptomics of Maternal and Fetal Membranes Can Discriminate between Gestational-Age Matched Preterm Neonates with and without Cognitive Impairment Diagnosed at 18–24 Months. <i>PLoS ONE</i> , 2015, 10, e0118573.	2.5	16

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73	Full-Length Human Placental sFlt-1-e15a Isoform Induces Distinct Maternal Phenotypes of Preeclampsia in Mice. PLoS ONE, 2015, 10, e0119547.	2.5	50
74	Inter-species pathway perturbation prediction via data-driven detection of functional homology. Bioinformatics, 2015, 31, 501-508.	4.1	6
75	Predicting protein phosphorylation from gene expression: top methods from the IMPROVER Species Translation Challenge. Bioinformatics, 2015, 31, 462-470.	4.1	14
76	Activation of Villous Trophoblastic p38 and ERK1/2 Signaling Pathways in Preterm Preeclampsia and HELLP Syndrome. Pathology and Oncology Research, 2015, 21, 659-668.	1.9	36
77	Evidence of perturbations of the cytokine network in preterm labor. American Journal of Obstetrics and Gynecology, 2015, 213, 836.e1-836.e18.	1.3	141
78	Clinical chorioamnionitis at term II: the intra-amniotic inflammatory response. Journal of Perinatal Medicine, 2015, 44, 5-22.	1.4	84
79	Clinical chorioamnionitis at term V: umbilical cord plasma cytokine profile in the context of a systemic maternal inflammatory response. Journal of Perinatal Medicine, 2015, 44, 53-76.	1.4	49
80	Individualized fetal growth assessment: critical evaluation of key concepts in the specification of third trimester size trajectories. Journal of Maternal-Fetal and Neonatal Medicine, 2014, 27, 543-551.	1.5	38
81	Transcriptome interrogation of human myometrium identifies differentially expressed sense-antisense pairs of protein-coding and long non-coding RNA genes in spontaneous labor at term. Journal of Maternal-Fetal and Neonatal Medicine, 2014, 27, 1397-1408.	1.5	25
82	The peripheral whole-blood transcriptome of acute pyelonephritis in human pregnancy ^a . Journal of Perinatal Medicine, 2014, 42, 31-53.	1.4	20
83	Evolutionary origins of the placental expression of chromosome 19 cluster galectins and their complex dysregulation in preeclampsia. Placenta, 2014, 35, 855-865.	1.5	92
84	Plasma concentrations of angiogenic/anti-angiogenic factors have prognostic value in women presenting with suspected preeclampsia to the obstetrical triage area: a prospective study. Journal of Maternal-Fetal and Neonatal Medicine, 2014, 27, 132-144.	1.5	68
85	Eicosanomic profiling reveals dominance of the epoxygenase pathway in human amniotic fluid at term in spontaneous labor. FASEB Journal, 2014, 28, 4835-4846.	0.5	80
86	The vaginal microbiota of pregnant women who subsequently have spontaneous preterm labor and delivery and those with a normal delivery at term. Microbiome, 2014, 2, 18.	11.1	361
87	Disulfiram Suppresses Growth of the Malignant Pleural Mesothelioma Cells in Part by Inducing Apoptosis. PLoS ONE, 2014, 9, e93711.	2.5	38
88	In Vivo Experiments Reveal the Good, the Bad and the Ugly Faces of sFlt-1 in Pregnancy. PLoS ONE, 2014, 9, e110867.	2.5	40
89	Changes of placental syndecan-1 expression in preeclampsia and HELLP syndrome. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2013, 463, 445-458.	2.8	42
90	Strengths and limitations of microarray-based phenotype prediction: lessons learned from the IMPROVER Diagnostic Signature Challenge. Bioinformatics, 2013, 29, 2892-2899.	4.1	108

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91	Interleukin-33 in the human placenta. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2013, 26, 327-338.	1.5	26
92	Differences and similarities in the transcriptional profile of peripheral whole blood in early and late-onset preeclampsia: insights into the molecular basis of the phenotype of preeclampsia. <i>Journal of Perinatal Medicine</i> , 2013, 41, 485-504.	1.4	40
93	Characterization of the myometrial transcriptome in women with an arrest of dilatation during labor. <i>Journal of Perinatal Medicine</i> , 2013, 41, 665-681.	1.4	42
94	Methodological approach from the Best Overall Team in the sbv IMPROVER Diagnostic Signature Challenge. <i>Systems Biomedicine (Austin, Tex)</i> , 2013, 1, 217-227.	0.7	9
95	A Comparison of Gene Set Analysis Methods in Terms of Sensitivity, Prioritization and Specificity. <i>PLoS ONE</i> , 2013, 8, e79217.	2.5	164
96	Peripheral CD300a+CD8+ T Lymphocytes with a Distinct Cytotoxic Molecular Signature Increase in Pregnant Women with Chronic Chorioamnionitis. <i>American Journal of Reproductive Immunology</i> , 2012, 67, 184-197.	1.2	41
97	Microarray Profiling Reveals That Placental Transcriptomes of Early-onset HELLP Syndrome and Preeclampsia Are Similar. <i>Placenta</i> , 2011, 32, S21-S29.	1.5	119
98	A molecular signature of an arrest of descent in human parturition. <i>American Journal of Obstetrics and Gynecology</i> , 2011, 204, 177.e15-177.e33.	1.3	30
99	Characterization of the transcriptome of chorioamniotic membranes at the site of rupture in spontaneous labor at term. <i>American Journal of Obstetrics and Gynecology</i> , 2010, 202, 462.e1-462.e41.	1.3	62
100	A decrease in maternal plasma concentrations of sVEGFR-2 precedes the clinical diagnosis of preeclampsia. <i>American Journal of Obstetrics and Gynecology</i> , 2010, 202, 550.e1-550.e10.	1.3	26
101	The molecular basis for sonographic cervical shortening at term: identification of differentially expressed genes and the epithelial-mesenchymal transition as a function of cervical length. <i>American Journal of Obstetrics and Gynecology</i> , 2010, 203, 472.e1-472.e14.	1.3	29
102	Characterization of the myometrial transcriptome and biological pathways of spontaneous human labor at term. <i>Journal of Perinatal Medicine</i> , 2010, 38, 617-43.	1.4	150
103	An imbalance between angiogenic and anti-angiogenic factors precedes fetal death in a subset of patients: results of a longitudinal study. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2010, 23, 1384-1399.	1.5	57
104	A primate subfamily of galectins expressed at the maternal-fetal interface that promote immune cell death. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9731-9736.	7.1	200
105	Villitis of Unknown Etiology Is Associated with a Distinct Pattern of Chemokine Up-Regulation in the Feto-Maternal and Placental Compartments: Implications for Conjoint Maternal Allograft Rejection and Maternal Anti-Fetal Graft-versus-Host Disease. <i>Journal of Immunology</i> , 2009, 182, 3919-3927.	0.8	176
106	A novel signaling pathway impact analysis. <i>Bioinformatics</i> , 2009, 25, 75-82.	4.1	950
107	The transcriptome of cervical ripening in human pregnancy before the onset of labor at term: Identification of novel molecular functions involved in this process. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2009, 22, 1183-1193.	1.5	84
108	Fetal membranes as an interface between inflammation and metabolism: Increased Aquaporin 9 expression in the presence of spontaneous labor at term and chorioamnionitis. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2009, 22, 1167-1175.	1.5	19

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109	Developing Classifiers for the Detection of Cancer Using Multi-Analytes. Methods in Molecular Biology, 2009, 520, 259-272.	0.9	5
110	Placental protein 13 (galectin-13) has decreased placental expression but increased shedding and maternal serum concentrations in patients presenting with preterm pre-eclampsia and HELLP syndrome. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2008, 453, 387-400.	2.8	113
111	Whole-genome microarray and targeted analysis of angiogenesis-regulating gene expression (ENG,) Tj ETQq1 1 0.784314 rgBT /Overl Maternal-Fetal and Neonatal Medicine, 2008, 21, 267-273.	1.5	48
112	A systems biology approach for pathway level analysis. Genome Research, 2007, 17, 1537-1545.	5.5	1,036
113	Machine Learning and Its Applications to Biology. PLoS Computational Biology, 2007, 3, e116.	3.2	490
114	Signature pathways identified from gene expression profiles in the human uterine cervix before and after spontaneous term parturition. American Journal of Obstetrics and Gynecology, 2007, 197, 250.e1-250.e7.	1.3	47
115	Insights into the Physiology of Childbirth Using Transcriptomics. PLoS Medicine, 2006, 3, e276.	8.4	27