

Caroline E Dunk

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4380968/publications.pdf>

Version: 2024-02-01

78
papers

4,407
citations

94433

37
h-index

110387

64
g-index

93
all docs

93
docs citations

93
times ranked

4707
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for Immune Cell Involvement in Decidual Spiral Arteriole Remodeling in Early Human Pregnancy. <i>American Journal of Pathology</i> , 2009, 174, 1959-1971.	3.8	388
2	Regulation of Placental Vascular Endothelial Growth Factor (VEGF) and Placenta Growth Factor (PlGF) and Soluble Flt-1 by Oxygen A Review. <i>Placenta</i> , 2000, 21, S16-S24.	1.5	296
3	Vascular Endothelial Growth Factor Receptor-1 Modulates Vascular Endothelial Growth Factor-Mediated Angiogenesis via Nitric Oxide. <i>American Journal of Pathology</i> , 2001, 159, 993-1008.	3.8	265
4	Colocalisation of Vascular Endothelial Growth Factor and Its Flt-1 Receptor in Human Placenta. <i>Growth Factors</i> , 1995, 12, 235-243.	1.7	235
5	Glial cell missing-1 transcription factor is required for the differentiation of the human trophoblast. <i>Cell Death and Differentiation</i> , 2009, 16, 719-727.	11.2	193
6	Angiopoietin-1 and Angiopoietin-2 Activate Trophoblast Tie-2 to Promote Growth and Migration during Placental Development. <i>American Journal of Pathology</i> , 2000, 156, 2185-2199.	3.8	164
7	MicroRNA-378a-5p promotes trophoblast cell survival, migration and invasion by targeting Nodal. <i>Journal of Cell Science</i> , 2012, 125, 3124-32.	2.0	144
8	Vascular-Leukocyte Interactions. <i>American Journal of Pathology</i> , 2010, 177, 1017-1030.	3.8	143
9	Identification of a Novel Neutrophil Population: Proangiogenic Granulocytes in Second-Trimester Human Decidua. <i>Journal of Immunology</i> , 2014, 193, 3070-3079.	0.8	108
10	Nodal Signals through Activin Receptor-Like Kinase 7 to Inhibit Trophoblast Migration and Invasion. <i>American Journal of Pathology</i> , 2011, 178, 1177-1189.	3.8	101
11	Bi-potential Behaviour of Cytotrophoblasts in First Trimester Chorionic Villi. <i>Placenta</i> , 2006, 27, 367-374.	1.5	99
12	Definitive class I human leukocyte antigen expression in gestational placentation: HLA-E, HLA-F, HLA-G, and HLA-I in extravillous trophoblast invasion on placentation, pregnancy, and parturition. <i>American Journal of Reproductive Immunology</i> , 2017, 77, e12643.	1.2	99
13	Leukocyte driven-decidual angiogenesis in early pregnancy. <i>Cellular and Molecular Immunology</i> , 2014, 11, 522-537.	10.5	96
14	Preeclampsia Is Associated with Alterations in the p53-Pathway in Villous Trophoblast. <i>PLoS ONE</i> , 2014, 9, e87621.	2.5	80
15	Activated NK cells cause placental dysfunction and miscarriages in fetal alloimmune thrombocytopenia. <i>Nature Communications</i> , 2017, 8, 224.	12.8	77
16	MicroRNA-218-5p Promotes Endovascular Trophoblast Differentiation and Spiral Artery Remodeling. <i>Molecular Therapy</i> , 2018, 26, 2189-2205.	8.2	74
17	Decreased expression of the angiogenic regulators CYR61 (CCN1) and NOV (CCN3) in human placenta is associated with pre-eclampsia. <i>Molecular Human Reproduction</i> , 2006, 12, 389-399.	2.8	73
18	Expression of severe acute respiratory syndrome coronavirus 2 cell entry genes, angiotensin-converting enzyme 2 and transmembrane protease serine 2, in the placenta across gestation and at the maternal-fetal interface in pregnancies complicated by preterm birth or preeclampsia. <i>American Journal of Obstetrics and Gynecology</i> , 2021, 224, 298.e1-298.e8.	1.3	73

#	ARTICLE	IF	CITATIONS
19	The STOX1 genotype associated with pre-eclampsia leads to a reduction of trophoblast invasion by β -T-catenin upregulation. <i>Human Molecular Genetics</i> , 2010, 19, 2658-2667.	2.9	70
20	The presence of pinopodes in the human endometrium does not delineate the implantation window. <i>Fertility and Sterility</i> , 2007, 87, 1015-1021.	1.0	69
21	To serve and to protect: the role of decidual innate immune cells on human pregnancy. <i>Cell and Tissue Research</i> , 2016, 363, 249-265.	2.9	68
22	Extravillous Trophoblast and Endothelial Cell Crosstalk Mediates Leukocyte Infiltration to the Early Remodeling Decidual Spiral Arteriole Wall. <i>Journal of Immunology</i> , 2017, 198, 4115-4128.	0.8	61
23	Efficient derivation of human trophoblast stem cells from primed pluripotent stem cells. <i>Science Advances</i> , 2021, 7, .	10.3	60
24	TGF β 1 suppresses the activation of distinct dNK subpopulations in preeclampsia. <i>EBioMedicine</i> , 2019, 39, 531-539.	6.1	57
25	A Novel In Vitro Model of Trophoblast-Mediated Decidual Blood Vessel Remodeling. <i>Laboratory Investigation</i> , 2003, 83, 1821-1828.	3.7	55
26	Effect of oxygen on multidrug resistance in the first trimester human placenta. <i>Placenta</i> , 2013, 34, 817-823.	1.5	54
27	Sphingosine signalling regulates decidual NK cell angiogenic phenotype and trophoblast migration. <i>Human Reproduction</i> , 2013, 28, 3026-3037.	0.9	51
28	Regulation of the Matricellular Proteins CYR61 (CCN1) and NOV (CCN3) by Hypoxia-Inducible Factor-1 α and Transforming-Growth Factor- β 3 in the Human Trophoblast. <i>Endocrinology</i> , 2010, 151, 2835-2845.	2.8	49
29	The Liver X Receptor (LXR) and its Target Gene ABCA1 are Regulated Upon Low Oxygen in Human Trophoblast Cells: A Reason for Alterations in Preeclampsia?. <i>Placenta</i> , 2010, 31, 910-918.	1.5	47
30	The Molecular Role of Connexin 43 in Human Trophoblast Cell Fusion1. <i>Biology of Reproduction</i> , 2012, 86, 115.	2.7	47
31	Connexin31-deficient trophoblast stem cells: a model to analyze the role of gap junction communication in mouse placental development. <i>Developmental Biology</i> , 2004, 273, 63-75.	2.0	46
32	Dynamic changes in maternal decidual leukocyte populations from first to second trimester gestation. <i>Placenta</i> , 2014, 35, 1027-1034.	1.5	45
33	Gap junctions are required for trophoblast proliferation in early human placental development. <i>Placenta</i> , 2004, 25, 595-607.	1.5	44
34	A distinct microvascular endothelial gene expression profile in severe IUGR placentas. <i>Placenta</i> , 2012, 33, 285-293.	1.5	43
35	Myometrial activation: Novel concepts underlying labor. <i>Placenta</i> , 2020, 92, 28-36.	1.5	43
36	Human dNK cell function is differentially regulated by extrinsic cellular engagement and intrinsic activating receptors in first and second trimester pregnancy. <i>Cellular and Molecular Immunology</i> , 2017, 14, 203-213.	10.5	40

#	ARTICLE	IF	CITATIONS
37	Pâ€Glycoprotein (Pâ€gp)/<sc>ABCB</sc>1 plays a functional role in extravillous trophoblast (<sc>EVT</sc>) invasion and is decreased in the preâ€clamptic placenta. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 5378-5393.	3.6	40
38	HIV antiretroviral exposure in pregnancy induces detrimental placenta vascular changes that are rescued by progesterone supplementation. <i>Scientific Reports</i> , 2018, 8, 6552.	3.3	39
39	Failure of Decidualization and Maternal Immune Tolerance Underlies Uterovascular Resistance in Intra Uterine Growth Restriction. <i>Frontiers in Endocrinology</i> , 2019, 10, 160.	3.5	39
40	The Circulating Proangiogenic Factors CYR61 (CCN1) and NOV (CCN3) Are Significantly Decreased in Placentae and Sera of Preeclamptic Patients. <i>Reproductive Sciences</i> , 2007, 14, 46-52.	2.5	38
41	Chorioamnionitis Induces a Specific Signature of Placental ABC Transporters Associated with an Increase of miR-331-5p in the Human Preterm Placenta. <i>Cellular Physiology and Biochemistry</i> , 2018, 45, 591-604.	1.6	38
42	Fusion Assays and Models for the Trophoblast. <i>Methods in Molecular Biology</i> , 2008, 475, 363-382.	0.9	37
43	Vascular Endothelial Growth Factor Receptor-2-Mediated Mitogenesis Is Negatively Regulated by Vascular Endothelial Growth Factor Receptor-1 in Tumor Epithelial Cells. <i>American Journal of Pathology</i> , 2001, 158, 265-273.	3.8	36
44	Decidual leucocytes infiltrating human spiral arterioles are rich source of matrix metalloproteinases and degrade extracellular matrix in vitro and in situ. <i>American Journal of Reproductive Immunology</i> , 2019, 81, e13054.	1.2	31
45	Interaction of Pregnancy-Specific Glycoprotein 1 With Integrin β 1 Is a Modulator of Extravillous Trophoblast Functions. <i>Cells</i> , 2019, 8, 1369.	4.1	30
46	Gestational ageâ€dependent gene expression profiling of <sc>ATP</sc>-binding cassette transporters in the healthy human placenta. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 610-618.	3.6	30
47	Changes in vascular extracellular matrix composition during decidual spiral arteriole remodeling in early human pregnancy. <i>Histology and Histopathology</i> , 2016, 31, 557-71.	0.7	30
48	Promotion of Angiogenesis by Human Endometrial Lymphocytes. <i>Immunological Investigations</i> , 2008, 37, 583-610.	2.0	28
49	EGF Modulates Trophoblast Migration through Regulation of Connexin 40. <i>Placenta</i> , 2006, 27, 114-121.	1.5	25
50	Gonadotropin-releasing hormone-regulated chemokine expression in human placentation. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 297, C17-C27.	4.6	25
51	HER1 Signaling Mediates Extravillous Trophoblast Differentiation in Humans1. <i>Biology of Reproduction</i> , 2010, 83, 1036-1045.	2.7	24
52	IGFBP-4 and β 5 are expressed in first-trimester villi and differentially regulate the migration of HTR-8/SVneo cells. <i>Reproductive Biology and Endocrinology</i> , 2014, 12, 123.	3.3	21
53	ACE2 Is Expressed in Immune Cells That Infiltrate the Placenta in Infection-Associated Preterm Birth. <i>Cells</i> , 2021, 10, 1724.	4.1	18
54	Stem Cells from Fetal Membranes â€“ A Workshop Report. <i>Placenta</i> , 2008, 29, 17-19.	1.5	16

#	ARTICLE	IF	CITATIONS
55	Differential Role of Smad2 and Smad3 in the Acquisition of an Endovascular Trophoblast-Like Phenotype and Preeclampsia. <i>Frontiers in Endocrinology</i> , 2020, 11, 436.	3.5	16
56	Periconceptional exposure to lopinavir, but not darunavir, impairs decidualization: a potential mechanism leading to poor birth outcomes in HIV-positive pregnancies. <i>Human Reproduction</i> , 2020, 35, 1781-1796.	0.9	16
57	Interaction between dolutegravir and folate transporters and receptor in human and rodent placenta. <i>EBioMedicine</i> , 2022, 75, 103771.	6.1	15
58	Palmitic acid induces inflammation in placental trophoblasts and impairs their migration toward smooth muscle cells through plasminogen activator inhibitor-1. <i>Molecular Human Reproduction</i> , 2020, 26, 850-865.	2.8	13
59	Functional Evaluation of STOX1 (STORKHEAD-BOX PROTEIN 1) in Placentation, Preeclampsia, and Preterm Birth. <i>Hypertension</i> , 2021, 77, 475-490.	2.7	12
60	Protease inhibitor-based antiretroviral therapy in pregnancy: effects on hormones, placenta, and decidua. <i>Lancet HIV</i> , 2022, 9, e120-e129.	4.7	11
61	IFPA meeting 2016 workshop report III: Decidua-trophoblast interactions; trophoblast implantation and invasion; immunology at the maternal-fetal interface; placental inflammation. <i>Placenta</i> , 2017, 60, S15-S19.	1.5	9
62	The characterization of fibrocyte-like cells: A novel fibroblastic cell of the placenta. <i>Placenta</i> , 2012, 33, 143-150.	1.5	8
63	Oxygen Sensitivity of Placental Trophoblast Connexins 43 and 46: A Role in Preeclampsia?. <i>Journal of Cellular Biochemistry</i> , 2015, 116, 2924-2937.	2.6	8
64	Growth Factor Regulators of Placental Angiogenesis. , 2000, , 149-162.		8
65	Decidual Inflammation Drives Chemokine-Mediated Immune Infiltration Contributing to Term Labor. <i>Journal of Immunology</i> , 2021, 207, 2015-2026.	0.8	7
66	Early Gene Expression and Morphogenesis of the Murine Chorioallantoic Placenta In vivo and In vitro. <i>Placenta</i> , 2009, 30, 96-104.	1.5	6
67	Exploring the impact of HIV infection and antiretroviral therapy on placenta morphology. <i>Placenta</i> , 2021, 104, 102-109.	1.5	5
68	Tuning FOXD3 expression dose-dependently balances human embryonic stem cells between pluripotency and meso-endoderm fates. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2019, 1866, 118531.	4.1	4
69	Homeobox gene TGIF-1 is increased in placental endothelial cells of human fetal growth restriction. <i>Reproduction</i> , 2016, 152, 457-465.	2.6	3
70	Decidual leukocytes are rich source of MMPs and capable of degrading ECM. <i>Placenta</i> , 2017, 57, 310-311.	1.5	2
71	Reprint of: Myometrial activation: Novel concepts underlying labor. <i>Placenta</i> , 2020, 98, 29-37.	1.5	2
72	Disengagement of activating receptor and function of second trimester decidual natural killer cells. <i>Placenta</i> , 2013, 34, A76.	1.5	1

#	ARTICLE	IF	CITATIONS
73	463: Placental expression of HLA-C,C,E, and F in preterm severe preeclampsia and preterm labor. American Journal of Obstetrics and Gynecology, 2020, 222, S303-S304.	1.3	1
74	New concepts and recommendations on clinical management and research. , 0, , 256-270.		0
75	Placental STOX1 Y153H mutation is associated with severe early onset Preeclampsia and low birth weight. Placenta, 2013, 34, A55.	1.5	0
76	The PcG Gene Sfmt2 Regulates Development of Extraembryonic Stem Cells and Tissues. Placenta, 2013, 34, A20-A21.	1.5	0
77	Development of the Placenta and Its Circulation. , 2020, , 55-68.e2.		0
78	MicroRNA-378a-5p promotes trophoblast cell survival, migration and invasion by targeting Nodal. Development (Cambridge), 2012, 139, e1907-e1907.	2.5	0