Susan J Fisher

List of Publications by Year
in descending order

129 papers	20,860 citations	23567 58 h-index	16650 123 g-index
133 all docs	133 docs citations	133 times ranked	30145 citing authors

#	Article	IF	Citations
1	Integrative analysis of 111 reference human epigenomes. Nature, 2015, 518, 317-330.	27.8	5,653
2	Preterm labor: One syndrome, many causes. Science, 2014, 345, 760-765.	12.6	1,478
3	Implantation and the Survival of Early Pregnancy. New England Journal of Medicine, 2001, 345, 1400-1408.	27.0	1,033
4	Regulation of Human Placental Development by Oxygen Tension. Science, 1997, 277, 1669-1672.	12.6	835
5	Vascular Endothelial Growth Factor Ligands and Receptors That Regulate Human Cytotrophoblast Survival Are Dysregulated in Severe Preeclampsia and Hemolysis, Elevated Liver Enzymes, and Low Platelets Syndrome. American Journal of Pathology, 2002, 160, 1405-1423.	3.8	575
6	Trophoblast differentiation during embryo implantation and formation of the maternal-fetal interface. Journal of Clinical Investigation, 2004, 114, 744-754.	8.2	568
7	Why is placentation abnormal in preeclampsia?. American Journal of Obstetrics and Gynecology, 2015, 213, S115-S122.	1.3	469
8	Trophoblast L-Selectin-Mediated Adhesion at the Maternal-Fetal Interface. Science, 2003, 299, 405-408.	12.6	437
9	The glial cells missing-1 protein is essential for branching morphogenesis in the chorioallantoic placenta. Nature Genetics, 2000, 25, 311-314.	21.4	388
10	Trophoblast differentiation during embryo implantation and formation of the maternal-fetal interface. Journal of Clinical Investigation, 2004, 114, 744-754.	8.2	381
11	Placenta: The Forgotten Organ. Annual Review of Cell and Developmental Biology, 2015, 31, 523-552.	9.4	343
12	Preeclampsia Is Associated with Widespread Apoptosis of Placental Cytotrophoblasts within the Uterine Wall. American Journal of Pathology, 1999, 155, 293-301.	3.8	322
13	Human Cytomegalovirus Infection of Placental Cytotrophoblasts In Vitro and In Utero: Implications for Transmission and Pathogenesis. Journal of Virology, 2000, 74, 6808-6820.	3.4	319
14	Sweetening the Pot: Adding Glycosylation to the Biomarker Discovery Equation. Clinical Chemistry, 2010, 56, 223-236.	3.2	274
15	The placenta: transcriptional, epigenetic, and physiological integration during development. Journal of Clinical Investigation, 2010, 120, 1016-1025.	8.2	237
16	Trophoblast pseudo-vasculogenesis: faking it with endothelial adhesion receptors. Current Opinion in Cell Biology, 1998, 10, 660-666.	5.4	235
17	Defective decidualization during and after severe preeclampsia reveals a possible maternal contribution to the etiology. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8468-E8477.	7.1	230
18	Human cytotrophoblast invasion is up-regulated by epidermal growth factor: Evidence that paracrine factors modify this process. Developmental Biology, 1994, 164, 550-561.	2.0	222

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19	Human Embryonic Stem Cell Lines Generated without Embryo Destruction. Cell Stem Cell, 2008, 2, 113-117.	11.1	217
20	Extracellular matrix 5: Adhesive interactions in early mammalian embryogenesis, implantation, and placentation. FASEB Journal, 1993, 7, 1320-1329.	0.5	196
21	Serum-free derivation of human embryonic stem cell lines on human placental fibroblast feeders. Fertility and Sterility, 2005, 83, 1517-1529.	1.0	189
22	The placental problem: linking abnormal cytotrophoblast differentiation to the maternal symptoms of preeclampsia. Reproductive Biology and Endocrinology, 2004, 2, 53.	3.3	176
23	Severe Preeclampsia-Related Changes in Gene Expression at the Maternal-Fetal Interface Include Sialic Acid-Binding Immunoglobulin-Like Lectin-6 and Pappalysin-2. Endocrinology, 2009, 150, 452-462.	2.8	163
24	Large Differences in Small RNA Composition Between Human Biofluids. Cell Reports, 2018, 25, 1346-1358.	6.4	163
25	Gene Expression Profiling of the Human Maternal-Fetal Interface Reveals Dramatic Changes between Midgestation and Term. Endocrinology, 2007, 148, 1059-1079.	2.8	162
26	Human Placental Cytotrophoblasts Attract Monocytes and Cd56bright Natural Killer Cells via the Actions of Monocyte Inflammatory Protein 1Î±. Journal of Experimental Medicine, 2001, 193, 1199-1212.	8.5	155
27	Hypoxia-inducible factor-dependent histone deacetylase activity determines stem cell fate in the placenta. Development (Cambridge), 2005, 132, 3393-3403.	2.5	150
28	IL-10 Is an Autocrine Inhibitor of Human Placental Cytotrophoblast MMP-9 Production and Invasion. Developmental Biology, 1999, 205, 194-204.	2.0	148
29	Chemokine Ligand and Receptor Expression in the Pregnant Uterus. American Journal of Pathology, 2001, 159, 2199-2213.	3.8	143
30	Trophoblast Stem Cells1. Biology of Reproduction, 2011, 84, 412-421.	2.7	142
31	A role for Notch signaling in trophoblast endovascular invasion and in the pathogenesis of pre-eclampsia. Development (Cambridge), 2011, 138, 2987-2998.	2.5	139
32	Human Cytomegalovirus Interleukin-10 Downregulates Metalloproteinase Activity and Impairs Endothelial Cell Migration and Placental Cytotrophoblast Invasiveness In Vitro. Journal of Virology, 2004, 78, 2831-2840.	3.4	125
33	Human cytotrophoblasts promote endothelial survival and vascular remodeling through secretion of Ang2, PlGF, and VEGF-C. Developmental Biology, 2003, 263, 114-125.	2.0	124
34	The salivary mucin MG1 (MUC5B) carries a repertoire of unique oligosaccharides that is large and diverse. Glycobiology, 2002, 12, 1-14.	2.5	117
35	Functional Proteomics:â€‰ Examining the Effects of Hypoxia on the Cytotrophoblast Protein Repertoire. Biochemistry, 2001, 40, 4077-4086.	2.5	116
36	Degradation of extracellular matrix by the trophoblastic cells of first-trimester human placentas. Journal of Cellular Biochemistry, 1985, 27, 31-41.	2.6	114

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37	Reversal of gene dysregulation in cultured cytotrophoblasts reveals possible causes of preeclampsia. Journal of Clinical Investigation, 2013, 123, 2862-2872.	8.2	112
38	Abnormal placentation and the syndrome of preeclampsia. Seminars in Nephrology, 2004, 24, 540-547.	1.6	110
39	Human Cytomegalovirus Transmission from the Uterus tothe Placenta Correlates with the Presence of Pathogenic Bacteria andMaternalImmunity. Journal of Virology, 2003, 77, 13301-13314.	3.4	108
40	Viral and Bacterial Pathogens at the Maternalâ€Fetal Interface. Journal of Infectious Diseases, 2004, 190, 826-834.	4.0	108
41	Maternal Decidual Macrophages Inhibit NK Cell Killing of Invasive Cytotrophoblasts During Human Pregnancy. Biology of Reproduction, 2013, 88, 155-155.	2.7	108
42	EPHB4 regulates chemokine-evoked trophoblast responses: a mechanism for incorporating the human placenta into the maternal circulation. Development (Cambridge), 2005, 132, 4097-4106.	2.5	107
43	Cytotrophoblast induction of arterial apoptosis and lymphangiogenesis in an in vivo model of human placentation. Journal of Clinical Investigation, 2006, 116, 2643-2652.	8.2	106
44	Establishment of Human Trophoblast Progenitor Cell Lines from the Chorion. Stem Cells, 2011, 29, 1427-1436.	3.2	103
45	A repertoire of differentially expressed transcription factors that offers insight into mechanisms of human cytotrophoblast differentiation. , 1999, 25, 146-157.		99
46	Transcriptomic Signature of Trophoblast Differentiation in a Human Embryonic Stem Cell Model1. Biology of Reproduction, 2011, 84, 1258-1271.	2.7	97
47	Invasive cytotrophoblast apoptosis in pre-eclampsia. Human Reproduction, 1999, 14, 59-66.	0.9	91
48	Human cytotrophoblasts acquire aneuploidies as they differentiate to an invasive phenotype. Developmental Biology, 2005, 279, 420-432.	2.0	88
49	Transmission of Human Cytomegalovirus from Infected Uterine Microvascular Endothelial Cells to Differentiating/Invasive Placental Cytotrophoblasts. Virology, 2002, 304, 53-69.	2.4	87
50	Plasma Membrane-Associated pY397FAK Is a Marker of Cytotrophoblast Invasion in Vivo and in Vitro. American Journal of Pathology, 2001, 159, 93-108.	3.8	86
51	A Repertoire of Cell Cycle Regulators Whose Expression Is Coordinated with Human Cytotrophoblast Differentiation. American Journal of Pathology, 2000, 157, 1337-1351.	3.8	82
52	The Human Placenta Remodels the Uterus by Using a Combination of Molecules That Govern Vasculogenesis or Leukocyte Extravasation. Annals of the New York Academy of Sciences, 2003, 995, 73-83.	3.8	80
53	Preeclampsia: novel insights from global RNA profiling ofÂtrophoblast subpopulations. American Journal of Obstetrics and Gynecology, 2017, 217, 200.e1-200.e17.	1.3	73
54	Increased depth of trophoblast invasion after chronic constriction of the lower aorta in rhesus monkeys. American Journal of Obstetrics and Gynecology, 1993, 169, 224-229.	1.3	64

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55	Human stem cells from single blastomeres reveal pathways of Embryonic or trophoblast fate specification. Development (Cambridge), 2015, 142, 4010-25.	2.5	62
56	Reciprocal chemokine receptor and ligand expression in the human placenta: Implications for cytotrophoblast differentiation. Developmental Dynamics, 2004, 229, 877-885.	1.8	61
57	Abnormal placentation and the syndrome of preeclampsia. Seminars in Nephrology, 2004, 24, 540-547.	1.6	61
58	A lectin affinity workflow targeting glycosite-specific, cancer-related carbohydrate structures in trypsin-digested human plasma. Analytical Biochemistry, 2011, 408, 71-85.	2.4	59
59	Human Low-Molecular-Weight Salivary Mucin Expresses the Sialyl Lewisx Determinant and Has L-Selectin Ligand Activity. Biochemistry, 1998, 37, 4916-4927.	2.5	58
60	Tissue inhibitor of metalloproteinase-3 expression is upregulated during human cytotrophoblast invasion in vitro. Genesis, 1997, 21, 61-67.	2.1	57
61	Chapter 12 Placental Remodeling of the Uterine Vasculature. Methods in Enzymology, 2008, 445, 281-302.	1.0	55
62	Novel aspects of sialoglycan recognition by the Siglec-like domains of streptococcal SRR glycoproteins. Glycobiology, 2016, 26, cww042.	2.5	55
63	Disruption of Apical-Basal Polarity of Human Embryonic Stem Cells Enhances Hematoendothelial Differentiation. Stem Cells, 2007, 25, 2215-2223.	3.2	54
64	A role for the L-selectin adhesion system in mediating cytotrophoblast emigration from the placenta. Developmental Biology, 2006, 298, 107-117.	2.0	53
65	MUC1 Is a Scaffold for Selectin Ligands in the Human Uterus. Frontiers in Bioscience - Landmark, 2006, 11, 2903.	3.0	52
66	Trisomy 21 is associated with variable defects in cytotrophoblast differentiation along the invasive pathway. American Journal of Medical Genetics Part A, 2004, 130A, 354-364.	2.4	50
67	Evaluating the effects of preanalytical variables on the stability of the human plasma proteome. Analytical Biochemistry, 2015, 478, 14-22.	2.4	50
68	Lectin Chromatography/Mass Spectrometry Discovery Workflow Identifies Putative Biomarkers of Aggressive Breast Cancers. Journal of Proteome Research, 2012, 11, 2508-2520.	3.7	49
69	Quantitative proteomic analyses of mammary organoids reveals distinct signatures after exposure to environmental chemicals. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1343-51.	7.1	45
70	Complementary Expression of Hip, a Cell-surface Heparan Sulfate Binding Protein, and Perlecan at the Human Fetal-Maternal Interface1. Biology of Reproduction, 1998, 58, 1075-1083.	2.7	39
71	Highly Glycosylated Human Salivary Molecules Present Oligosaccharides That Mediate Adhesion of Leukocytes and Helicobacter pylori. Biochemistry, 2005, 44, 2216-2224.	2.5	37
72	Human Trophoblast Invasion.. Annals of the New York Academy of Sciences, 1994, 734, 122-131.	3.8	36

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73	Pre-eclampsia is associated with elevated CXCL12 levels in placental syncytiotrophoblasts and maternal blood. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2011, 157, 32-37.	1.1	33
74	GROÎ± regulates human embryonic stem cell self-renewal or adoption of a neuronal fate. Differentiation, 2011, 81, 222-232.	1.9	32
75	Genomic Profiling of BDE-47 Effects on Human Placental Cytotrophoblasts. Toxicological Sciences, 2019, 167, 211-226.	3.1	32
76	Comparative analysis of maternal-fetal interface in preeclampsia and preterm labor. Cell and Tissue Research, 2007, 329, 559-569.	2.9	31
77	The impact of preeclampsia on gene expression at the maternalâ€“fetal interface. Pregnancy Hypertension, 2011, 1, 100-108.	1.4	31
78	Human placental cytotrophoblast epigenome dynamics over gestation and alterations in placental disease. Developmental Cell, 2021, 56, 1238-1252.e5.	7.0	29
79	Severe preeclampsia is associated with alterations in cytotrophoblasts of the smooth chorion. Development (Cambridge), 2017, 144, 767-777.	2.5	27
80	The Placenta Dilemma. Seminars in Reproductive Medicine, 2000, 18, 321-326.	1.1	25
81	Polysialic acid enhances the migration and invasion of human cytotrophoblasts. Glycobiology, 2013, 23, 593-602.	2.5	25
82	Transcriptional Dynamics of Cultured Human Villous Cytotrophoblasts. Endocrinology, 2017, 158, 1581-1594.	2.8	25
83	Placental Structure in Preterm Birth Among HIV-Positive Versus HIV-Negative Women in Kenya. Journal of Acquired Immune Deficiency Syndromes (1999), 2019, 80, 94-102.	2.1	25
84	Human placenta and chorion: potential additional sources of hematopoietic stem cells for transplantation. Transfusion, 2011, 51, 94S-105S.	1.6	24
85	Urine, peritoneal fluid and omental fat proteomes of reproductive age women: Endometriosis-related changes and associations with endocrine disrupting chemicals. Journal of Proteomics, 2015, 113, 194-205.	2.4	24
86	Racial/ethnic and geographic differences in polybrominated diphenyl ether (PBDE) levels across maternal, placental, and fetal tissues during mid-gestation. Scientific Reports, 2020, 10, 12247.	3.3	22
87	Organophosphate Flame Retardants, Highly Fluorinated Chemicals, and Biomarkers of Placental Development and Disease During Mid-Gestation. Toxicological Sciences, 2021, 181, 215-228.	3.1	22
88	Histopathologies, Immunolocalization, and a Glycan Binding Screen Provide Insights into Plasmodium falciparum Interactions with the Human Placenta. Biology of Reproduction, 2013, 88, 154-154.	2.7	21
89	Bisphenol A replacement chemicals, BPF and BPS, induce protumorigenic changes in human mammary gland organoid morphology and proteome. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2115308119.	7.1	21
90	Nicotine downregulates the l-selectin system that mediates cytotrophoblast emigration from cell columns and attachment to the uterine wall. Reproductive Toxicology, 2006, 22, 69-76.	2.9	19

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91	Up-regulated cytotrophoblast DOCK4 contributes to over-invasion in placenta accreta spectrum. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15852-15861.	7.1	19
92	Alterations in the Salivary Proteome and N-Glycome of SjÃ¶grenâ€™s Syndrome Patients. Journal of Proteome Research, 2017, 16, 1693-1705.	3.7	18
93	Chemokine expression and function at the human maternal-fetal interface. Reviews in Endocrine and Metabolic Disorders, 2002, 3, 159-165.	5.7	17
94	Human Trophoblast Progenitors: Where Do They Reside?. Seminars in Reproductive Medicine, 2013, 31, 056-061.	1.1	17
95	Regionally distinct trophoblast regulate barrier function and invasion in the human placenta. ELife, 0, 11, .	6.0	17
96	Stromal cell derived factor-2 (Sdf2): A novel protein expressed in mouse. International Journal of Biochemistry and Cell Biology, 2014, 53, 262-270.	2.8	16
97	Bacterial Interactomes: Interacting Protein Partners Share Similar Function and Are Validated in Independent Assays More Frequently Than Previously Reported. Molecular and Cellular Proteomics, 2016, 15, 1539-1555.	3.8	16
98	The human chorion contains definitive hematopoietic stem cells from the 15th week of gestation. Development (Cambridge), 2017, 144, 1399-1411.	2.5	16
99	Differential Activation of Fetal Hofbauer Cells in Primigravidas Is Associated with Decreased Birth Weight in Symptomatic Placental Malaria. Malaria Research and Treatment, 2019, 2019, 1-10.	2.0	13
100	Association of polybrominated diphenyl ether (PBDE) levels with biomarkers of placental development and disease during mid-gestation. Environmental Health, 2020, 19, 61.	4.0	13
101	Cytotrophoblast extracellular vesicles enhance decidual cell secretion of immune modulators via TNF-alpha. Development (Cambridge), 2020, 147, .	2.5	12
102	Placental transcriptomes in the common aneuploidies reveal critical regions on the trisomic chromosomes and genomeâ€wide effects. Prenatal Diagnosis, 2016, 36, 812-822.	2.3	10
103	Preeclampsia and Inflammatory Preterm Labor Alter the Human Placental Hematopoietic Niche. Reproductive Sciences, 2016, 23, 1179-1192.	2.5	10
104	Discordant Zika Virus Findings in Twin Pregnancies Complicated by Antenatal Zika Virus Exposure: A Prospective Cohort. Journal of Infectious Diseases, 2020, 221, 1838-1845.	4.0	10
105	Elucidation of N-Glycosites Within Human Plasma Glycoproteins for Cancer Biomarker Discovery. Methods in Molecular Biology, 2013, 951, 307-322.	0.9	9
106	Mass spectrometry-based analyses showing the effects of secretor and blood group status on salivary N-glycosylation. Clinical Proteomics, 2015, 12, 29.	2.1	9
107	Stromal Cell-Derived Factor 2: A Novel Protein that Interferes in Endoplasmic Reticulum Stress Pathway in Human Placental Cells. Biology of Reproduction, 2016, 95, 41-41.	2.7	9
108	Altered downstream target gene expression of the placental Vitamin D receptor in human idiopathic fetal growth restriction. Cell Cycle, 2018, 17, 182-190.	2.6	7

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109	A Lectin HPLC Method to Enrich Selectively-glycosylated Peptides from Complex Biological Samples. Journal of Visualized Experiments, 2009, , .	0.3	6
110	Vedolizumab Antagonizes MAdCAM-1-Dependent Human Placental Cytotrophoblast Adhesion and InvasionIn Vitro. Inflammatory Bowel Diseases, 2022, 28, 1219-1228.	1.9	6
111	The Placenta in Normal Pregnancy and Preeclampsia. , 2015, , 81-112.		5
112	Gravidity-dependent associations between interferon response and birth weight in placental malaria. Malaria Journal, 2020, 19, 280.	2.3	5
113	Global proteomic analyses of human cytotrophoblast differentiation/invasion. Development (Cambridge), 2021, 148, .	2.5	5
114	RNA profiling of laser microdissected human trophoblast subtypes at mid-gestation reveals a role for cannabinoid signaling in invasion. Development (Cambridge), 2021, 148, .	2.5	5
115	Hormone receptor expression of colorectal cancer diagnosed during the peri-partum period. Endocrine Connections, 2019, 8, 1149-1158.	1.9	5
116	HCMV: persistence in the population: potential transplacental transmission. , 2007, , 814-830.		4
117	Menstrual cycle-dependent alterations in glycosylation: a roadmap for defining biomarkers of favorable and unfavorable mucus. Journal of Assisted Reproduction and Genetics, 2019, 36, 847-855.	2.5	4
118	The Placenta â€" Fast, Loose, and in Control. New England Journal of Medicine, 2021, 385, 87-89.	27.0	4
119	Rbpj links uterine transformation and embryo orientation. Cell Research, 2014, 24, 1031-1032.	12.0	3
120	Effect of plasma on composition of human enamel and cementum pellicle. European Journal of Oral Sciences, 1990, 98, 461-471.	1.5	2
121	Robert G. Edwards (1925â€“2013). Science, 2013, 340, 825-825.	12.6	2
122	Cloning and regulated expression of the Candida albicans phospholipase B (PLB1) gene. FEMS Microbiology Letters, 1998, 167, 163-169.	1.8	2
123	50: Genomic profiles in common aneuploidies: a combination of dose effects and whole genome misregulation. American Journal of Obstetrics and Gynecology, 2013, 208, S30.	1.3	1
124	Reply to Liu et al.: Decidualization defect in severe preeclampsia. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E7656-E7657.	7.1	1
125	Protein Biomarkers for Detecting Cancer. , 2015, , 331-346.e5.		0
126	Reply. Gastroenterology, 2019, 157, 1435-1436.	1.3	0

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127	Trisomy 21 is Associated with Caspase-2 Upregulation in Cytotrophoblasts at the Maternal-Fetal Interface. Reproductive Sciences, 2020, 27, 100-109.	2.5	0
128	Differentiation of the invasive cytotrophoblast lineage in normal pregnancy and in preeclampsia. Reproductive Medicine and Assisted Reproductive Techniques Series, 2008, , 454-465.	0.1	0
129	Unbiased Approaches for Addressing the Complexities of the Placenta's Role in the Preeclampsia Syndrome. , 2022, , 117-129.		0