Danny J Schust

List of Publications by Year
in descending order

95 papers	5,987 citations	101535 36 h-index	74160 75 g-index
97 all docs	97 docs citations	97 times ranked	7646 citing authors

#	Article	IF	Citations
1	Leveraging Optimized Transcriptomic and Personalized Stem Cell Technologies to Better Understand Syncytialization Defects in Preeclampsia. Frontiers in Genetics, 2022, 13, 872818.	2.3	1
2	Involvement of the HERV-derived cell-fusion inhibitor, suppressyn, in the fusion defects characteristic of the trisomy 21 placenta. Scientific Reports, 2022, 12, .	3.3	5
3	In vitro models of the human endometrium: evolution and application for womenâ€™s health+. Biology of Reproduction, 2021, 104, 282-293.	2.7	36
4	A rational diagnostic approach to the â€œphantom hCGâ€•and other clinical scenarios in which a patient is thought to be pregnant but is not. Therapeutic Advances in Reproductive Health, 2021, 15, 263349412110164.	2.1	2
5	Recombinant Thrombomodulin Attenuates Preeclamptic Symptoms by Inhibiting High-Mobility Group Box 1 in Mice. Endocrinology, 2021, 162, .	2.8	9
6	Placental Expression of ACE2 and TMPRSS2 in Maternal Severe Acute Respiratory Syndrome Coronavirus 2 Infection: Are Placental Defenses Mediated by Fetal Sex?. Journal of Infectious Diseases, 2021, 224, S647-S659.	4.0	9
7	The Immunology of Syncytialized Trophoblast. International Journal of Molecular Sciences, 2021, 22, 1767.	4.1	10
8	Placental structural abnormalities in gestational diabetes and when they develop: A scoping review. Placenta, 2021, 116, 58-66.	1.5	28
9	Single Nucleus RNA Sequence (snRNAseq) Analysis of the Spectrum of Trophoblast Lineages Generated From Human Pluripotent Stem Cells in vitro. Frontiers in Cell and Developmental Biology, 2021, 9, 695248.	3.7	12
10	Could the Human Endogenous Retrovirus-Derived Syncytialization Inhibitor, Suppressyn, Limit Heterotypic Cell Fusion Events in the Decidua?. International Journal of Molecular Sciences, 2021, 22, 10259.	4.1	6
11	Syncytins expressed in human placental trophoblast. Placenta, 2021, 113, 8-14.	1.5	40
12	Is SARS-CoV-2 Infection a Risk Factor for Early Pregnancy Loss? ACE2 and TMPRSS2 Coexpression and Persistent Replicative Infection in Primitive Trophoblast. Journal of Infectious Diseases, 2021, 224, S660-S669.	4.0	10
13	Maternal SARS-CoV-2 infection elicits sexually dimorphic placental immune responses. Science Translational Medicine, 2021, 13, eabi7428.	12.4	84
14	Refining Angular Pregnancy Diagnosis in the First Trimester. Obstetrics and Gynecology, 2020, 135, 175-184.	2.4	26
15	Use of a human embryonic stem cell model to discover GABRP, WFDC2, VTCN1 and ACTC1 as markers of early first trimester human trophoblast. Molecular Human Reproduction, 2020, 26, 425-440.	2.8	25
16	Differentiating pregnancies near the uterotubal junction (angular, cornual, and interstitial): a review and recommendations. Fertility Research and Practice, 2020, 6, 8.	4.2	28
17	Placental expression of lysophosphatidic acid receptors in normal pregnancy and preeclampsia. American Journal of Reproductive Immunology, 2019, 82, e13176.	1.2	11
18	Modeling the Placenta with Stem Cells. New England Journal of Medicine, 2019, 381, 1681-1683.	27.0	7

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19	Self-renewing endometrial epithelial organoids of the human uterus. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23132-23142.	7.1	123
20	Cervical and systemic concentrations of long acting hormonal contraceptive (LARC) progestins depend on delivery method: Implications for the study of HIV transmission. PLoS ONE, 2019, 14, e0214152.	2.5	7
21	Effects of three long-acting reversible contraceptive methods on HIV target cells in the human uterine cervix and peripheral blood. Reproductive Biology and Endocrinology, 2019, 17, 26.	3.3	13
22	Early onset preeclampsia in a model for human placental trophoblast. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4336-4345.	7.1	55
23	Suppressyn localization and dynamic expression patterns in primary human tissues support a physiologic role in human placentation. Scientific Reports, 2019, 9, 19502.	3.3	19
24	Impact of Th1/Th2 cytokine polarity induced by invariant NKT cells on the incidence of pregnancy loss in mice. American Journal of Reproductive Immunology, 2018, 79, e12813.	1.2	19
25	What do we know about the relationships between preconception parental health, infertility, and pregnancy outcomes?. Fertility and Sterility, 2018, 109, 248-249.	1.0	0
26	The National Physicians Cooperative: transforming fertility management in the cancer setting and beyond. Future Oncology, 2018, 14, 3059-3072.	2.4	30
27	African and Asian strains of Zika virus differ in their ability to infect and lyse primitive human placental trophoblast. PLoS ONE, 2018, 13, e0200086.	2.5	58
28	Tokishakuyakusan, a traditional Japanese medicine (Kampo) mitigates <scp>iNKT</scp> cellâ€mediated pregnancy loss in mice. American Journal of Reproductive Immunology, 2018, 80, e13021.	1.2	12
29	ITGA1 is upregulated in response to oxygen over time in a BMP4 model of trophoblast. Molecular Reproduction and Development, 2018, 85, 738-739.	2.0	1
30	Vulnerability of primitive human placental trophoblast to Zika virus. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1587-E1596.	7.1	152
31	Labor prediction based on the expression patterns of multiple genes related to cervical maturation in human term pregnancy. American Journal of Reproductive Immunology, 2017, 78, e12711.	1.2	1
32	Enhanced HIF2Î± expression during human trophoblast differentiation into syncytiotrophoblast suppresses transcription of placental growth factor. Scientific Reports, 2017, 7, 12455.	3.3	25
33	Comparison of syncytiotrophoblast generated from human embryonic stem cells and from term placentas. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2598-607.	7.1	142
34	Evidence for Differential Glycosylation of Trophoblast Cell Types. Molecular and Cellular Proteomics, 2016, 15, 1857-1866.	3.8	32
35	Immunologic challenges of human reproduction: an evolving story. Fertility and Sterility, 2016, 106, 499-510.	1.0	41
36	Elevated concentration of secretory leukocyte protease inhibitor in the cervical mucus before delivery. American Journal of Obstetrics and Gynecology, 2016, 214, 741.e1-741.e7.	1.3	3

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37	Effects of Lipopolysaccharide on Human First Trimester Villous Cytotrophoblast Cell Function In Vitro1. Biology of Reproduction, 2016, 94, 33.	2.7	29
38	Parallel Expression of Enzyme Inhibitors of CD8T Cell Activity in Tumor Microenvironments and Secretory Endometrium. Reproductive Sciences, 2016, 23, 289-301.	2.5	4
39	Chlamydia trachomatis Infection of Endocervical Epithelial Cells Enhances Early HIV Transmission Events. PLoS ONE, 2016, 11, e0146663.	2.5	37
40	Open access publication in the fields of human fertility, infertility and early pregnancy. Fertility Research and Practice, 2015, 1, 1.	4.2	4
41	Isolation, purification and in vitro differentiation of cytotrophoblast cells from human term placenta. Reproductive Biology and Endocrinology, 2015, 13, 71.	3.3	61
42	Genetic Considerations in Recurrent Pregnancy Loss. Cold Spring Harbor Perspectives in Medicine, 2015, 5, a023119-a023119.	6.2	104
43	Cervical Expression of Elafin and SLPI in Pregnancy and Their Association With Preterm Labor. American Journal of Reproductive Immunology, 2015, 73, 536-544.	1.2	17
44	Activation of decidual invariant natural killer T cells promotes lipopolysaccharide-induced preterm birth. Molecular Human Reproduction, 2015, 21, 369-381.	2.8	30
45	Heightened potency of human pluripotent stem cell lines created by transient BMP4 exposure. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2337-46.	7.1	62
46	Placental autotaxin expression is diminished in women with preâ€eclampsia. Journal of Obstetrics and Gynaecology Research, 2015, 41, 1406-1411.	1.3	15
47	Abnormal Oxidative Stress Responses in Fibroblasts from Preeclampsia Infants. PLoS ONE, 2014, 9, e103110.	2.5	11
48	Human decidual macrophages suppress IFN-Î³ production by T cells through costimulatory B7-H1:PD-1 signaling in early pregnancy. Journal of Reproductive Immunology, 2013, 100, 109-117.	1.9	45
49	Manifestations of immune tolerance in the human female reproductive tract. Frontiers in Immunology, 2013, 4, 26.	4.8	73
50	Complete and unidirectional conversion of human embryonic stem cells to trophoblast by BMP4. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1212-21.	7.1	226
51	A novel human endogenous retroviral protein inhibits cell-cell fusion. Scientific Reports, 2013, 3, 1462.	3.3	79
52	Re-examining Sonographic Cut-off Values for Diagnosing Early Pregnancy Loss. Gynecology & Obstetrics (Sunnyvale, Calif), 2013, 03, 141.	0.1	10
53	Potential Mechanisms for Increased HIV-1 Transmission Across the Endocervical Epithelium During C. trachomatis Infection. Current HIV Research, 2012, 10, 218-227.	0.5	35
54	Hyperosmolar Glucose Injection for the Treatment of Heterotopic Ovarian Pregnancy. Obstetrics and Gynecology, 2012, 120, 449-452.	2.4	17

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55	Preeclampsia: multiple approaches for a multifactorial disease. DMM Disease Models and Mechanisms, 2012, 5, 9-18.	2.4	240
56	Editorial (Mucosal Co-Infections and HIV-1 Transmission and Pathogenesis). Current HIV Research, 2012, 10, 195-201.	0.5	9
57	The regulation of Tâ€cell cytokine production by ICOSâ€"B7H2 interactions at the human fetomaternal interface. Immunology and Cell Biology, 2011, 89, 417-425.	2.3	42
58	Innate immune mediator profiles and their regulation in a novel polarized immortalized epithelial cell model derived from human endocervix. Journal of Reproductive Immunology, 2011, 92, 8-20.	1.9	70
59	Endocrinology and Recurrent Early Pregnancy Loss. Seminars in Reproductive Medicine, 2011, 29, 482-490.	1.1	49
60	Placental IDO and oxidative damage in pre-eclampsia: fresh chicken or fresh eggs?. Systems Biology in Reproductive Medicine, 2011, 57, 171-173.	2.1	0
61	Inhibition of Indoleamine 2,3-Dioxygenase Activity by Levo-1-Methyl Tryptophan Blocks Gamma Interferon-Induced Chlamydia trachomatis Persistence in Human Epithelial Cells. Infection and Immunity, 2011, 79, 4425-4437.	2.2	59
62	Does the classical M1/M2 dichotomy reflect the functional phenotypes of human decidual macrophages?. Expert Review of Obstetrics and Gynecology, 2011, 6, 377-380.	0.4	1
63	Preeclampsia: Animal models for a human cure. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1197-1198.	7.1	17
64	Management of first trimester pregnancy loss can be safely moved into the office. Reviews in Obstetrics and Gynecology, 2011, 4, 5-14.	0.7	12
65	Adherence and Acceptability of the Contraceptive Ring Compared With the Pill Among Students: A Randomized Controlled Trial. Obstetrics and Gynecology, 2010, 116, 194-195.	2.4	0
66	CD1d, a Sentinel Molecule Bridging Innate and Adaptive Immunity, Is Downregulated by the Human Papillomavirus (HPV) E5 Protein: a Possible Mechanism for Immune Evasion by HPV. Journal of Virology, 2010, 84, 11614-11623.	3.4	94
67	The Immunomodulatory Roles of Macrophages at the Maternalâ€"Fetal Interface. Reproductive Sciences, 2010, 17, 209-218.	2.5	206
68	Human decidual stromal cells suppress cytokine secretion by allogenic CD4+ T cells via PD-1 ligand interactions. Human Reproduction, 2009, 24, 3160-3171.	0.9	63
69	Human Endogenous Retroviruses and the Placenta. Reproductive Sciences, 2009, 16, 1023-1033.	2.5	31
70	Recurrent pregnancy loss: etiology, diagnosis, and therapy. Reviews in Obstetrics and Gynecology, 2009, 2, 76-83.	0.7	273
71	Prolactin can modulate CD4⁺ Tâ€cell response through receptorâ€mediated alterations in the expression of Tâ€bet. Immunology and Cell Biology, 2008, 86, 616-621.	2.3	48
72	Culdoscopy: A Foundation for Natural Orifice Surgeryâ€"Past, Present, and Future. Journal of the American College of Surgeons, 2008, 207, 417-422.	0.5	26

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73	Expression of surface CD1d in the extravillous trophoblast cells of early gestational placenta is downregulated in a manner dependent on trophoblast differentiation. Biochemical and Biophysical Research Communications, 2008, 371, 236-241.	2.1	15
74	Cyclic Regulation of T-Bet and GATA-3 in Human Endometrium. Reproductive Sciences, 2008, 15, 83-90.	2.5	11
75	Expression of CD1d and Ligand-Induced Cytokine Production Are Tissue Specific in Mucosal Epithelia of the Human Lower Reproductive Tract. Infection and Immunity, 2008, 76, 3011-3018.	2.2	39
76	CD1d Degradation in Chlamydia trachomatis-infected Epithelial Cells Is the Result of Both Cellular and Chlamydial Proteasomal Activity. Journal of Biological Chemistry, 2007, 282, 7368-7375.	3.4	58
77	Spontaneous adenomyosis in the chimpanzee (Pan troglodytes): a first report and review of the primate literature: Case Report. Human Reproduction, 2007, 22, 1714-1717.	0.9	22
78	In vitro fertilization and acupuncture: clinical efficacy and mechanistic basis. Alternative Therapies in Health and Medicine, 2007, 13, 38-48.	0.0	89
79	Female Steroid Hormones Use Signal Transducers and Activators of Transcription Protein-Mediated Pathways to Modulate the Expression of T-bet in Epithelial Cells: A Mechanism for Local Immune Regulation in the Human Reproductive Tract. Molecular Endocrinology, 2005, 19, 2047-2059.	3.7	38
80	T-Helper 2 and 3 type immunity to trophoblast in successful in vitro fertilization-embryo transfer. Fertility and Sterility, 2005, 83, 1659-1664.	1.0	31
81	Comparison of Ophthalmic Sponges for Measurements of Immune Markers from Cervical Secretions. Vaccine Journal, 2004, 11, 399-405.	3.1	33
82	Interleukin-10 levels in single embryo conditioned media samples help predict implantation. Fertility and Sterility, 2003, 80, 2.	1.0	4
83	Expression of membrane-bound HLA-G at the maternal-fetal interface is not associated with pregnancy maintenance among patients with idiopathic recurrent pregnancy loss. Molecular Human Reproduction, 2003, 9, 551-557.	2.8	24
84	Implantation and the Survival of Early Pregnancy. New England Journal of Medicine, 2001, 345, 1400-1408.	27.0	1,033
85	Qa-2â€"Dependent Selection of Cd8Î±/Î± T Cell Receptor Î±/Î²1 Cells in Murine Intestinal Intraepithelial Lymphocytes. Journal of Experimental Medicine, 2001, 193, 413-414.	8.5	0
86	Murine female reproductive tract intraepithelial lymphocytes display selection characteristics distinct from both peripheral and other mucosal T cells. Journal of Reproductive Immunology, 2001, 52, 85-99.	1.9	11
87	Human Cytomegalovirus US2 Endoplasmic Reticulum-Lumenal Domain Dictates Association with Major Histocompatibility Complex Class I in a Locus-Specific Manner. Journal of Virology, 2001, 75, 5197-5204.	3.4	104
88	Qa-2â€"Dependent Selection of Cd8Î±/Î± T Cell Receptor Î±/Î²+ Cells in Murine Intestinal Intraepithelial Lymphocytes. Journal of Experimental Medicine, 2000, 192, 1521-1528.	8.5	54
89	Can viruses help us to understand and classify the MHC class I molecules at the maternalâ€"fetal interface?. Human Immunology, 2000, 61, 1169-1176.	2.4	24
90	Down-regulation of MHC class I antigen presentation by HCMV; lessons for tumor immunology. Immunological Investigations, 2000, 29, 97-100.	2.0	39

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91	Viral Subversion of the Immune System. Annual Review of Immunology, 2000, 18, 861-926.	21.8	764
92	HLA-G and HLA-C at the fetoâ€"maternal interface: lessons learned from pathogenic viruses. Seminars in Cancer Biology, 1999, 9, 37-46.	9.6	30
93	Viral immunoevasive strategies and trophoblast class I major histocompatibility complex antigens. Journal of Reproductive Immunology, 1999, 43, 243-251.	1.9	7
94	Why certain antibodies cross-react with HLA- A and HLA-G: Epitope mapping of two common MHC class I reagentsfn2fn2This work was supported by a grant from the National Institutes of Health (R01AI38577-01) and by a Reproductive Scientist Development Award, the Society for Gynecologic Investigation, and National Institutes of Health Grant K12HD00849 (to D.J.S.). Molecular Immunology, 1998, 35, 177-188.	2.2	125
95	Trophoblast Class I Major Histocompatibility Complex (MHC) Products Are Resistant to Rapid Degradation Imposed by the Human Cytomegalovirus (HCMV) Gene Products US2 and US11. Journal of Experimental Medicine, 1998, 188, 497-503.	8.5	138