

Andrew Marck Sharkey

List of Publications by Citations

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111
papers

9,046
citations

51
h-index

94
g-index

125
ext. papers

10,398
ext. citations

7.6
avg. IF

5.48
L-index

#	Paper	IF	Citations
111	Single-cell reconstruction of the early maternal-fetal interface in humans. <i>Nature</i> , 2018 , 563, 347-353	50.4	792
110	A Y chromosome gene family with RNA-binding protein homology: candidates for the azoospermia factor AZF controlling human spermatogenesis. <i>Cell</i> , 1993 , 75, 1287-95	56.2	446
109	Expression of vascular endothelial growth factor and its receptors flt and KDR in ovarian carcinoma. <i>Journal of the National Cancer Institute</i> , 1995 , 87, 506-16	9.7	414
108	Identification and localization of alternately spliced mRNAs for vascular endothelial growth factor in human uterus and estrogen regulation in endometrial carcinoma cell lines. <i>Biology of Reproduction</i> , 1993 , 48, 1120-8	3.9	400
107	Vascular endothelial growth factor is produced by peritoneal fluid macrophages in endometriosis and is regulated by ovarian steroids. <i>Journal of Clinical Investigation</i> , 1996 , 98, 482-9	15.9	341
106	Maternal activating KIRs protect against human reproductive failure mediated by fetal HLA-C2. <i>Journal of Clinical Investigation</i> , 2010 , 120, 4102-10	15.9	336
105	Localization of VEGF and expression of its receptors flt and KDR in human placenta throughout pregnancy. <i>Human Reproduction</i> , 1996 , 11, 1090-8	5.7	244
104	Characterization and localization of endothelin receptor subtypes in the human atrioventricular conducting system and myocardium. <i>Circulation Research</i> , 1993 , 72, 526-38	15.7	223
103	Vascular endothelial growth factor receptor localization and activation in human trophoblast and choriocarcinoma cells. <i>Biology of Reproduction</i> , 1994 , 51, 524-30	3.9	214
102	Trophoblast organoids as a model for maternal-fetal interactions during human placentation. <i>Nature</i> , 2018 , 564, 263-267	50.4	212
101	Towards the molecular localisation of the AZF locus: mapping of microdeletions in azoospermic men within 14 subintervals of interval 6 of the human Y chromosome. <i>Human Molecular Genetics</i> , 1992 , 1, 29-33	5.6	187
100	Stage-specific expression of cytokine and receptor messenger ribonucleic acids in human preimplantation embryos. <i>Biology of Reproduction</i> , 1995 , 53, 974-81	3.9	182
99	Evidence for the expression of HLA-C class I mRNA and protein by human first trimester trophoblast. <i>Journal of Immunology</i> , 1996 , 156, 2068-76	5.3	172
98	Maternal uterine NK cell-activating receptor KIR2DS1 enhances placentation. <i>Journal of Clinical Investigation</i> , 2013 , 123, 4264-72	15.9	169
97	A homodimeric complex of HLA-G on normal trophoblast cells modulates antigen-presenting cells via LILRB1. <i>European Journal of Immunology</i> , 2007 , 37, 1924-37	6.1	159
96	A dual, non-redundant, role for LIF as a regulator of development and STAT3-mediated cell death in mammary gland. <i>Development (Cambridge)</i> , 2003 , 130, 3459-68	6.6	143
95	Evidence for widespread changes in promoter methylation profile in human placenta in response to increasing gestational age and environmental/stochastic factors. <i>BMC Genomics</i> , 2011 , 12, 529	4.5	142

94	Microdeletions in interval 6 of the Y chromosome of males with idiopathic sterility point to disruption of AZF, a human spermatogenesis gene. <i>Human Genetics</i> , 1992 , 89, 491-6	6.3	138
93	Molecular studies of trophoblast HLA-G: polymorphism, isoforms, imprinting and expression in preimplantation embryo. <i>Tissue Antigens</i> , 1999 , 53, 1-13		136
92	Deregulation of the serum- and glucocorticoid-inducible kinase SGK1 in the endometrium causes reproductive failure. <i>Nature Medicine</i> , 2011 , 17, 1509-13	50.5	134
91	The endometrium as a cause of implantation failure. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2003 , 17, 289-307	4.6	132
90	Vascular Endothelial Growth Factor Expression in Human Endometrium Is Regulated by Hypoxia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2000 , 85, 402-409	5.6	128
89	VEGF mRNA levels in placentae from pregnancies complicated by pre-eclampsia. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 1996 , 103, 1191-6	3.7	120
88	Killer Ig-like receptor expression in uterine NK cells is biased toward recognition of HLA-C and alters with gestational age. <i>Journal of Immunology</i> , 2008 , 181, 39-46	5.3	117
87	Localization of leukemia inhibitory factor and its receptor in human placenta throughout pregnancy. <i>Biology of Reproduction</i> , 1999 , 60, 355-64	3.9	111
86	Maternal plasma levels of vascular endothelial growth factor in normotensive pregnancies and in pregnancies complicated by pre-eclampsia. <i>European Journal of Clinical Investigation</i> , 1996 , 26, 1182-5	4.6	107
85	Composition, Development, and Function of Uterine Innate Lymphoid Cells. <i>Journal of Immunology</i> , 2015 , 195, 3937-45	5.3	103
84	Genome-wide expression profile of first trimester villous and extravillous human trophoblast cells. <i>Placenta</i> , 2011 , 32, 33-43	3.4	98
83	Human endothelin receptors characterized using reverse transcriptase-polymerase chain reaction, in situ hybridization, and subtype-selective ligands BQ123 and BQ3020: evidence for expression of ETB receptors in human vascular smooth muscle. <i>Journal of Cardiovascular Pharmacology</i> , 1993 , 22, 832-5	3.1	95
82	Identification of novel genes regulated by chorionic gonadotropin in baboon endometrium during the window of implantation. <i>Endocrinology</i> , 2007 , 148, 618-26	4.8	92
81	Inhibition of Stat3 activation in the endometrium prevents implantation: a nonsteroidal approach to contraception. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 8585-90	11.5	92
80	Distribution of the A and B forms of the progesterone receptor messenger ribonucleic acid and protein in uterine leiomyomata and adjacent myometrium. <i>Human Reproduction</i> , 1997 , 12, 815-22	5.7	88
79	Mifepristone induced progesterone withdrawal reveals novel regulatory pathways in human endometrium. <i>Molecular Human Reproduction</i> , 2007 , 13, 641-54	4.4	88
78	Human uterine NK cells have a similar repertoire of killer inhibitory and activatory receptors to those found in blood, as demonstrated by RT-PCR and sequencing. <i>Molecular Immunology</i> , 1997 , 34, 419-30	4.3	79
77	Screening for cytokine mRNA in human villous and extravillous trophoblasts using the reverse-transcriptase polymerase chain reaction (RT-PCR). <i>Cytokine</i> , 1995 , 7, 364-71	4	76

76	The effect of pregnancy on the uterine NK cell KIR repertoire. <i>European Journal of Immunology</i> , 2011 , 41, 3017-27	6.1	74
75	Functions of human decidual NK cells. <i>American Journal of Reproductive Immunology</i> , 1996 , 35, 258-60	3.8	73
74	Tissue-Specific Education of Decidual NK Cells. <i>Journal of Immunology</i> , 2015 , 195, 3026-32	5.3	67
73	Identification of genes regulated by interleukin-1beta in human endometrial stromal cells. <i>Reproduction</i> , 2005 , 130, 721-9	3.8	64
72	The effect of progestins on vascular endothelial growth factor, oestrogen receptor and progesterone receptor immunoreactivity and endothelial cell density in human endometrium. <i>Human Reproduction</i> , 2000 , 15 Suppl 3, 85-95	5.7	64
71	Endothelial cells regulate cardiac contractility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992 , 89, 4033-6	11.5	64
70	Wide-ranging DNA methylation differences of primary trophoblast cell populations and derived cell lines: implications and opportunities for understanding trophoblast function. <i>Molecular Human Reproduction</i> , 2011 , 17, 344-53	4.4	61
69	Identification of genes regulated by leukemia-inhibitory factor in the mouse uterus at the time of implantation. <i>Molecular Endocrinology</i> , 2004 , 18, 2185-95		61
68	Colocalization of acidic and basic fibroblast growth factor (FGF) in human placenta and the cellular effects of bFGF in trophoblast cell line JEG-3. <i>Growth Factors</i> , 1994 , 10, 259-68	1.6	60
67	Immunolocalisation of phosphorylated STAT3, interleukin 11 and leukaemia inhibitory factor in endometrium of women with unexplained infertility during the implantation window. <i>Reproductive Biology and Endocrinology</i> , 2007 , 5, 44	5	59
66	Role and regulation of the serum- and glucocorticoid-regulated kinase 1 in fertile and infertile human endometrium. <i>Endocrinology</i> , 2007 , 148, 5020-9	4.8	58
65	Effect of an intrauterine device on the gene expression profile of the endometrium. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006 , 91, 3199-207	5.6	57
64	Immunolocalization of the apoptosis regulating proteins Bcl-2 and Bax in human endometrium and isolated peritoneal fluid macrophages in endometriosis. <i>Human Reproduction</i> , 1997 , 12, 146-52	5.7	56
63	The role of the maternal immune system in the regulation of human birthweight. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015 , 370, 20140071	5.8	53
62	Localization and quantification of vascular endothelial growth factor messenger ribonucleic acid in human myometrium and leiomyomata. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1995 , 80, 1853-8	5.6	53
61	Global gene analysis of late secretory phase, eutopic endometrium does not provide the basis for a minimally invasive test of endometriosis. <i>Human Reproduction</i> , 2008 , 23, 1063-8	5.7	52
60	Activating KIR2DS4 Is Expressed by Uterine NK Cells and Contributes to Successful Pregnancy. <i>Journal of Immunology</i> , 2016 , 197, 4292-4300	5.3	50
59	Distinctive phenotypes and functions of innate lymphoid cells in human decidua during early pregnancy. <i>Nature Communications</i> , 2020 , 11, 381	17.4	47

58	Placental composition and surface area but not vascularization are altered by maternal protein restriction in the rat. <i>Placenta</i> , 2003 , 24, 34-8	3.4	47
57	Chemokine scavenger D6 is expressed by trophoblasts and aids the survival of mouse embryos transferred into allogeneic recipients. <i>Journal of Immunology</i> , 2010 , 184, 3202-12	5.3	45
56	Molecular characterization of KIR3DL3. <i>Immunogenetics</i> , 2006 , 57, 904-16	3.2	45
55	Expression of vascular endothelial growth factor (VEGF) and placental growth factor (PLGF) in conceptus and endometrium during implantation in the rhesus monkey. <i>Molecular Human Reproduction</i> , 2000 , 6, 935-41	4.4	45
54	Hepatocyte growth factor/scatter factor and its receptor c-met: localisation and expression in the human placenta throughout pregnancy. <i>Journal of Endocrinology</i> , 1996 , 151, 459-67	4.7	45
53	Expression and localization of the Th2-type cytokine interleukin-13 and its receptor in the placenta during human pregnancy. <i>American Journal of Reproductive Immunology</i> , 1998 , 40, 283-90	3.8	44
52	A microfluidics assay to study invasion of human placental trophoblast cells. <i>Journal of the Royal Society Interface</i> , 2017 , 14,	4.1	43
51	Molecular definition of group 1 innate lymphoid cells in the mouse uterus. <i>Nature Communications</i> , 2018 , 9, 4492	17.4	42
50	The science of implantation emerges blinking into the light. <i>Reproductive BioMedicine Online</i> , 2013 , 27, 453-60	4	40
49	Collagen type IV at the fetal-maternal interface. <i>Placenta</i> , 2015 , 36, 59-68	3.4	39
48	Localization and quantification of vascular endothelial growth factor messenger ribonucleic acid in human myometrium and leiomyomata. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1995 , 80, 1853-1858	5.6	39
47	Paracrine effects of uterine leucocytes on gene expression of human uterine stromal fibroblasts. <i>Molecular Human Reproduction</i> , 2009 , 15, 39-48	4.4	38
46	Conformation of human leucocyte antigen-C molecules at the surface of human trophoblast cells. <i>Immunology</i> , 2008 , 124, 322-8	7.8	35
45	Clathrin light chains are required for the gyrating-clathrin recycling pathway and thereby promote cell migration. <i>Nature Communications</i> , 2014 , 5, 3891	17.4	34
44	The effect of RU486 on the gene expression profile in an endometrial explant model. <i>Molecular Human Reproduction</i> , 2003 , 9, 465-73	4.4	34
43	Expression of c-kit and kit ligand at the human maternofetal interface. <i>Cytokine</i> , 1994 , 6, 195-205	4	34
42	Phenotypic and functional characterization of first-trimester human placental macrophages, Hofbauer cells. <i>Journal of Experimental Medicine</i> , 2021 , 218,	16.6	34
41	The endometrial response to chorionic gonadotropin is blunted in a baboon model of endometriosis. <i>Endocrinology</i> , 2010 , 151, 4982-93	4.8	33

40	Ex vivo functional responses to HLA-G differ between blood and decidual NK cells. <i>Molecular Human Reproduction</i> , 2011 , 17, 577-86	4.4	32
39	The role of leukemia inhibitory factor and interleukin-6 in human reproduction. <i>Human Reproduction</i> , 1998 , 13 Suppl 3, 237-43; discussion 244-6	5.7	32
38	Large-scale gene expression studies of the endometrium: what have we learnt?. <i>Reproduction</i> , 2006 , 132, 1-10	3.8	31
37	Tissue stiffness at the human maternal-fetal interface. <i>Human Reproduction</i> , 2019 , 34, 1999-2008	5.7	30
36	Effect of randomized serum progesterone concentration on secretory endometrial histologic development and gene expression. <i>Human Reproduction</i> , 2017 , 32, 1903-1914	5.7	25
35	Soluble gp130 is Up-Regulated in the Implantation Window and Shows Altered Secretion in Patients with Primary Unexplained Infertility		24
34	In-vivo gene transfer to the uterine endometrium. <i>Human Reproduction</i> , 1997 , 12, 17-20	5.7	23
33	Chromosome size variation in the malaria parasite of rodents, Plasmodium chabaudi. <i>Molecular and Biochemical Parasitology</i> , 1988 , 28, 47-54	1.9	23
32	Temporal expression profiling of the uterine luminal epithelium of the pseudo-pregnant mouse suggests receptivity to the fertilized egg is associated with complex transcriptional changes. <i>Human Reproduction</i> , 2006 , 21, 2495-513	5.7	21
31	Immunoneutralization of vascular endothelial growth factor inhibits pregnancy establishment in the rhesus monkey (Macaca mulatta). <i>Reproduction</i> , 2007 , 133, 1199-211	3.8	21
30	DNA methylation mediated up-regulation of TERRA non-coding RNA is coincident with elongated telomeres in the human placenta. <i>Molecular Human Reproduction</i> , 2016 , 22, 791-799	4.4	21
29	Novel antiangiogenic agents for use in contraception. <i>Contraception</i> , 2005 , 71, 263-71	2.5	20
28	Interleukin-11 inhibits expression of insulin-like growth factor binding protein-5 mRNA in decidualizing human endometrial stromal cells. <i>Molecular Human Reproduction</i> , 2005 , 11, 649-58	4.4	19
27	Expression of messenger RNA for kit-ligand in human placenta: localization by in situ hybridization and identification of alternatively spliced variants. <i>Molecular Endocrinology</i> , 1992 , 6, 1235-41		19
26	Implantation of the human embryo: research lines and models. From the implantation research network <i>Fruitful Gynecologic and Obstetric Investigation</i> , 2006 , 62, 206-16	2.5	18
25	Interleukin 1 beta is induced by interleukin 11 during decidualization of human endometrial stromal cells, but is not released in a bioactive form. <i>Journal of Reproductive Immunology</i> , 2007 , 73, 28-38	4.2	14
24	Isolation of anonymous DNA markers for human chromosome 22q11 from a flow-sorted library, and mapping using hybrids from patients with DiGeorge syndrome. <i>Human Genetics</i> , 1992 , 89, 73-8	6.3	14
23	How Do Uterine Natural Killer and Innate Lymphoid Cells Contribute to Successful Pregnancy?. <i>Frontiers in Immunology</i> , 2021 , 12, 607669	8.4	14

22	High-Resolution Genetic and Phenotypic Analysis of KIR2DL1 Alleles and Their Association with Pre-Eclampsia. <i>Journal of Immunology</i> , 2018 , 201, 2593-2601	5.3	14
21	Expression of CD3 epsilon, CD3 zeta, and RAG-1/RAG-2 in decidual CD56+ NK cells. <i>Cellular Immunology</i> , 1998 , 183, 99-105	4.4	13
20	The CD94/NKG2A inhibitory receptor educates uterine NK cells to optimize pregnancy outcomes in humans and mice. <i>Immunity</i> , 2021 , 54, 1231-1244.e4	32.3	13
19	Fetal inheritance of chromosomally integrated human herpesvirus 6 predisposes the mother to pre-eclampsia. <i>Nature Microbiology</i> , 2020 , 5, 901-908	26.6	12
18	Generation and use of a tailored gene array to investigate vascular biology. <i>Angiogenesis</i> , 2003 , 6, 93-104	10.6	12
17	Evidence for the expression of HLA-C class I mRNA and protein by human first trimester trophoblast. <i>Journal of Reproductive Immunology</i> , 1996 , 31, 232-233	4.2	12
16	Expression of messenger RNA for kit-ligand in human placenta: localization by in situ hybridization and identification of alternatively spliced variants. <i>Molecular Endocrinology</i> , 1992 , 6, 1235-1241		12
15	Effect of low-dose mifepristone administration on day 2 after ovulation on transcript profiles in implantation-stage endometrium of rhesus monkeys. <i>Reproduction</i> , 2009 , 138, 357-70	3.8	10
14	Genetic studies on a major merozoite surface antigen of the malaria parasite of rodents, Plasmodium chabaudi. <i>Parasite Immunology</i> , 1991 , 13, 369-78	2.2	9
13	Cytokines and embryo/endometrial interactions. <i>Reproductive Medicine Review</i> , 1995 , 4, 87-100		7
12	Decidual heparanase activity is increased during pregnancy in the baboon (Papio anubis) and in vitro decidualization of human stromal cells. <i>Biology of Reproduction</i> , 2008 , 78, 316-23	3.9	6
11	Microbial translocation of needle-free versus traditional needle injection-enhanced beef strip loins. <i>Meat Science</i> , 2010 , 84, 208-11	6.4	5
10	Cytokines and implantation. <i>Reproduction</i> , 1998 , 3, 52-61		5
9	Chromosome sorting by flow cytometry. Production of DNA libraries and gene mapping. <i>Methods in Molecular Biology</i> , 1994 , 29, 205-19	1.4	4
8	RNA-Seq reveals changes in human placental metabolism, transport and endocrinology across the first-second trimester transition. <i>Biology Open</i> , 2021 , 10,	2.2	4
7	The Human Embryo-Endometrial Dialogue: Impact of a Single Blastocyst in the Gene Expression Pattern of Endometrial Epithelial Cells. <i>Fertility and Sterility</i> , 2005 , 84, S60-S61	4.8	2
6	Interleukin 1 beta is induced by interleukin 11 during decidualization of human endometrial stromal cells, but is not released in a bioactive form. <i>Journal of Reproductive Immunology</i> , 2006 , 71, 147	4.2	
5	Immunology of implantation 2005 , 16-31		

4 are gene arrays useful for the study of implantations? **2005**, 203-216

3 Uterine gene therapy and implantation. *Reproductive Medicine Review*, **2000**, 8, 57-71

2 Gene Expression in Preimplantation Embryos **1991**, 203-211

1 The Immunology of Implantation **2020**, 48-54.e1