

# Signe Altmann

## List of Publications by Year in descending order

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Version: 2024-02-01

92  
papers

2,907  
citations

159585

30  
h-index

189892

50  
g-index

98  
all docs

98  
docs citations

98  
times ranked

4025  
citing authors

#	ARTICLE	IF	CITATIONS
1	Meta-signature of human endometrial receptivity: a meta-analysis and validation study of transcriptomic biomarkers. <i>Scientific Reports</i> , 2017, 7, 10077.	3.3	182
2	MicroRNAs miR-30b, miR-30d, and miR-494 Regulate Human Endometrial Receptivity. <i>Reproductive Sciences</i> , 2013, 20, 308-317.	2.5	169
3	Endometrial gene expression analysis at the time of embryo implantation in women with unexplained infertility. <i>Molecular Human Reproduction</i> , 2010, 16, 178-187.	2.8	163
4	Guidelines for the design, analysis and interpretation of "omics" data: focus on human endometrium. <i>Human Reproduction Update</i> , 2014, 20, 12-28.	10.8	123
5	Research Resource: Interactome of Human Embryo Implantation: Identification of Gene Expression Pathways, Regulation, and Integrated Regulatory Networks. <i>Molecular Endocrinology</i> , 2012, 26, 203-217.	3.7	107
6	Folate-mediated one-carbon metabolism and its effect on female fertility and pregnancy viability. <i>Nutrition Reviews</i> , 2010, 68, 99-113.	5.8	105
7	Genetic predictors of controlled ovarian hyperstimulation: where do we stand today?. <i>Human Reproduction Update</i> , 2011, 17, 813-828.	10.8	105
8	Nutrition and neurodevelopment in children: focus on NUTRIMENTHE project. <i>European Journal of Nutrition</i> , 2013, 52, 1825-1842.	3.9	103
9	The seminal microbiome in health and disease. <i>Nature Reviews Urology</i> , 2019, 16, 703-721.	3.8	98
10	New Opportunities for Endometrial Health by Modifying Uterine Microbial Composition: Present or Future?. <i>Biomolecules</i> , 2020, 10, 593.	4.0	85
11	Association study of 90 candidate gene polymorphisms in panic disorder. <i>Psychiatric Genetics</i> , 2005, 15, 17-24.	1.1	83
12	Variations in folate pathway genes are associated with unexplained female infertility. <i>Fertility and Sterility</i> , 2010, 94, 130-137.	1.0	81
13	Maternal, fetal and perinatal alterations associated with obesity, overweight and gestational diabetes: an observational cohort study (PREOBE). <i>BMC Public Health</i> , 2016, 16, 207.	2.9	78
14	Allelic estrogen receptor 1 (ESR1) gene variants predict the outcome of ovarian stimulation in in vitro fertilization. <i>Molecular Human Reproduction</i> , 2007, 13, 521-526.	2.8	71
15	The differential transcriptome and ontology profiles of floating and cumulus granulosa cells in stimulated human antral follicles. <i>Molecular Human Reproduction</i> , 2010, 16, 229-240.	2.8	61
16	Disturbances in the LIF pathway in the endometrium among women with unexplained infertility. <i>Fertility and Sterility</i> , 2009, 91, 2602-2610.	1.0	60
17	Effect of Growth Hormone on Uterine Receptivity in Women With Repeated Implantation Failure in an Oocyte Donation Program: A Randomized Controlled Trial. <i>Journal of the Endocrine Society</i> , 2018, 2, 96-105.	0.2	58
18	Maternal Pre-Pregnancy Obesity Is Associated with Altered Placental Transcriptome. <i>PLoS ONE</i> , 2017, 12, e0169223.	2.5	57

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19	Endometrial receptivity revisited: endometrial transcriptome adjusted for tissue cellular heterogeneity. <i>Human Reproduction</i> , 2018, 33, 2074-2086.	0.9	53
20	Mapping the entire functionally active endometrial microbiota. <i>Human Reproduction</i> , 2021, 36, 1021-1031.	0.9	51
21	The C allele of the <i>AGT</i> Met235Thr polymorphism is associated with power sports performance. <i>Applied Physiology, Nutrition and Metabolism</i> , 2009, 34, 1108-1111.	1.9	46
22	Analysing endometrial microbiome: methodological considerations and recommendations for good practice. <i>Human Reproduction</i> , 2021, 36, 859-879.	0.9	42
23	Polymorphisms in wolframin ( <i>WFS1</i> ) gene are possibly related to increased risk for mood disorders. <i>International Journal of Neuropsychopharmacology</i> , 2005, 8, 235-244.	2.1	38
24	Endometrial transcriptome analysis indicates superiority of natural over artificial cycles in recurrent implantation failure patients undergoing frozen embryo transfer. <i>Reproductive BioMedicine Online</i> , 2016, 32, 597-613.	2.4	38
25	The contribution of genetic variations of aryl hydrocarbon receptor pathway genes to male factor infertility. <i>Fertility and Sterility</i> , 2007, 88, 854-859.	1.0	37
26	DNA methylation changes in endometrium and correlation with gene expression during the transition from pre-receptive to receptive phase. <i>Scientific Reports</i> , 2017, 7, 3916.	3.3	37
27	Is there an association between <i>ACTN3</i> R577X polymorphism and muscle power phenotypes in young, non-athletic adults?. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2010, 20, 771-778.	2.9	36
28	Folate-metabolizing gene variants and pregnancy outcome of IVF. <i>Reproductive BioMedicine Online</i> , 2011, 22, 603-614.	2.4	36
29	Analysis of SNP profiles in patients with major depressive disorder. <i>International Journal of Neuropsychopharmacology</i> , 2006, 9, 167.	2.1	34
30	The relationship between fertility and lifespan in humans. <i>Age</i> , 2011, 33, 615-622.	3.0	34
31	Folic acid supplementation and IVF pregnancy outcome in women with unexplained infertility. <i>Reproductive BioMedicine Online</i> , 2014, 28, 766-772.	2.4	32
32	The Gut Microbiome in Polycystic Ovary Syndrome and Its Association with Metabolic Traits. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 858-871.	3.6	31
33	Aromatase gene ( <i>CYP19A1</i> ) variants, female infertility and ovarian stimulation outcome: a preliminary report. <i>Reproductive BioMedicine Online</i> , 2009, 18, 651-657.	2.4	30
34	Trp64Arg polymorphism in <i>ADRB3</i> gene is associated with elite endurance performance. <i>British Journal of Sports Medicine</i> , 2011, 45, 147-149.	6.7	29
35	A Two-Cohort RNA-seq Study Reveals Changes in Endometrial and Blood miRNome in Fertile and Infertile Women. <i>Genes</i> , 2018, 9, 574.	2.4	29
36	Growth Hormone and Endometrial Receptivity. <i>Frontiers in Endocrinology</i> , 2019, 10, 653.	3.5	29

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37	A speculative outlook on embryonic aneuploidy: Can molecular pathways be involved?. <i>Developmental Biology</i> , 2019, 447, 3-13.	2.0	29
38	Physical fitness and shapes of subcortical brain structures in children. <i>British Journal of Nutrition</i> , 2019, 122, S49-S58.	2.3	29
39	Physical activity, fatness, educational level and snuff consumption as determinants of semen quality: findings of the ActiART study. <i>Reproductive BioMedicine Online</i> , 2015, 31, 108-119.	2.4	26
40	Assessing the testicular sperm microbiome: a low-biomass site with abundant contamination. <i>Reproductive BioMedicine Online</i> , 2021, 43, 523-531.	2.4	26
41	Folic acid supplementation and methylenetetrahydrofolate reductase (MTHFR) gene variations in relation to in vitro fertilization pregnancy outcome. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2015, 94, 65-71.	2.8	23
42	Role of microbiota function during early life on child's neurodevelopment. <i>Trends in Food Science and Technology</i> , 2016, 57, 273-288.	15.1	23
43	Commentary: Uterine Microbiota: Residents, Tourists, or Invaders?. <i>Frontiers in Immunology</i> , 2018, 9, 1874.	4.8	23
44	Are elite endurance athletes genetically predisposed to lower disease risk?. <i>Physiological Genomics</i> , 2010, 41, 82-90.	2.3	21
45	Tissue Factor and Tissue Factor Pathway Inhibitors TFPI and TFPI2 in Human Secretory Endometrium – Possible Link to Female Infertility. <i>Reproductive Sciences</i> , 2011, 18, 666-678.	2.5	20
46	Autoimmune Activation toward Embryo Implantation is Rare in Immune-Privileged Human Endometrium. <i>Seminars in Reproductive Medicine</i> , 2014, 32, 376-384.	1.1	19
47	Stanniocalcin-1 expression in normal human endometrium and dysregulation in endometriosis. <i>Fertility and Sterility</i> , 2016, 106, 681-691.e1.	1.0	19
48	Diminished Endometrial Expression of Ghrelin and Ghrelin Receptor Contributes to Infertility. <i>Reproductive Sciences</i> , 2010, 17, 823-832.	2.5	18
49	HB-EGF but Not Amphiregulin or Their Receptors HER1 and HER4 Is Altered in Endometrium of Women With Unexplained Infertility. <i>Reproductive Sciences</i> , 2008, 15, 484-492.	2.5	17
50	No evidence for mutations in NLRP7, NLRP2 or KHDC3L in women with unexplained recurrent pregnancy loss or infertility. <i>Human Reproduction</i> , 2015, 30, 232-238.	0.9	12
51	Endometrial microbiome: new hope, or hype?. <i>Reproductive BioMedicine Online</i> , 2021, 42, 1051-1052.	2.4	12
52	A novel genomic diagnostic tool for sperm quality?. <i>Reproductive BioMedicine Online</i> , 2011, 22, 405-407.	2.4	11
53	Maternal PPARC Pro12Ala polymorphism is associated with infant's neurodevelopmental outcomes at 18 months of age. <i>Early Human Development</i> , 2015, 91, 457-462.	1.8	11
54	Distinct whole-blood transcriptome profile of children with metabolic healthy overweight/obesity compared to metabolic unhealthy overweight/obesity. <i>Pediatric Research</i> , 2021, 89, 1687-1694.	2.3	10

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55	Maternal physical activity and sedentary behaviour before and during in vitro fertilization treatment: a longitudinal study exploring the associations with controlled ovarian stimulation and pregnancy outcomes. <i>Journal of Assisted Reproduction and Genetics</i> , 2020, 37, 1869-1881.	2.5	10
56	Variation in Hyaluronan-Binding Protein 2 (HABP2) Promoter Region is Associated With Unexplained Female Infertility. <i>Reproductive Sciences</i> , 2011, 18, 485-492.	2.5	9
57	A folate receptor alpha double-mutated haplotype 1816delCâ€“1841A is distributed throughout Eurasia and associated with lower erythrocyte folate levels. <i>Molecular Biology Reports</i> , 2012, 39, 4471-4478.	2.3	8
58	What do we know about endometrial receptivity in women with endometriosis? A molecular perspective. <i>Reproductive BioMedicine Online</i> , 2015, 31, 581-583.	2.4	8
59	Compliance to the recommended use of folic acid supplements for women in Sweden is higher among those under treatment for infertility than among fertile controls and is also related to socioeconomic status and lifestyle. <i>Food and Nutrition Research</i> , 2017, 61, 1334483.	2.6	8
60	Cross-disorder analysis of endometriosis and its comorbid diseases reveals shared genes and molecular pathways and proposes putative biomarkers of endometriosis. <i>Reproductive BioMedicine Online</i> , 2020, 40, 305-318.	2.4	8
61	The mid-secretory endometrial transcriptomic landscape in endometriosis: a meta-analysis. <i>Human Reproduction Open</i> , 2022, 2022, hoac016.	5.4	8
62	Association between trefoil factor 3 gene variants and idiopathic recurrent spontaneous abortion. <i>Reproductive BioMedicine Online</i> , 2014, 29, 737-744.	2.4	5
63	Physical and Sedentary Activities in Association with Reproductive Outcomes among Couples Seeking Infertility Treatment: A Prospective Cohort Study. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 2718.	2.6	5
64	Cardiorespiratory fitness in children with overweight/obesity: Insights into the molecular mechanisms. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021, 31, 2083-2091.	2.9	5
65	OMICs Studies and Endometriosis Biomarker Identification. , 2017, , 227-258.		5
66	Transcriptional and Epigenetic Response to Sedentary Behavior and Physical Activity in Children and Adolescents: A Systematic Review. <i>Frontiers in Pediatrics</i> , 0, 10, .	1.9	5
67	Early nutrition in combination with polymorphisms in fatty acid desaturase gene cluster modulate fatty acid composition of cheek cellsâ€™ glycerophospholipids in school-age children. <i>British Journal of Nutrition</i> , 2019, 122, S68-S79.	2.3	3
68	Omission of non-poly(A) viral transcripts from the tissue level atlas of the healthy human virome. <i>BMC Biology</i> , 2020, 18, 179.	3.8	3
69	POSTER VIEWING SESSION - ENDOMETRIOSIS, ENDOMETRIUM, IMPLANTATION AND FALLOPIAN TUBE. <i>Human Reproduction</i> , 2011, 26, i202-i223.	0.9	2
70	Stanniocalcin-1 in Human Endometrium. <i>Fertility and Sterility</i> , 2015, 103, e6-e7.	1.0	2
71	Celebrating Baer â€™a Nordic scientist who discovered the mammalian oocyte. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2017, 96, 1281-1282.	2.8	2
72	Hyaluronanâ€™binding protein 2 (HABP2) gene variation in women with recurrent miscarriage. <i>BMC Women's Health</i> , 2018, 18, 143.	2.0	2

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73	Low biomass microbiota in the upper genital tract of reproductive age women: fact or fiction?. Annals of Clinical Microbiology and Antimicrobials, 2020, 19, 41.	3.8	2
74	Embryo – endometrium interactions at the time of implantation. Fertility and Sterility, 2010, 94, S86-S87.	1.0	1
75	Low calcitonin receptor like receptor expression in endometrial vessels from women with unexplained infertility. Gynecological Endocrinology, 2011, 27, 655-660.	1.7	1
76	The association of trefoil factor 3 gene polymorphisms and haplotypes with unexplained female infertility: Molecular insights into TFF3 regulation in receptive phase endometrium. Human Fertility, 2013, 16, 291-298.	1.7	1
77	New insights into the complex disease of PCOS: findings from early trophoblast invasion and placentation. Reproductive BioMedicine Online, 2014, 29, 271-272.	2.4	1
78	DNA methylation in infants with low and high body fatness. BMC Genomics, 2020, 21, 769.	2.8	1
79	SESSION 62: FEMALE REPRODUCTION TRACT (DYS)FUNCTION. Human Reproduction, 2012, 27, ii93-ii95.	0.9	1
80	Genitourinary microbial screening for all infertile men?. Nature Reviews Urology, 2022, 19, 199-200.	3.8	1
81	POSTER VIEWING SESSION - REPRODUCTIVE (EPI) GENETICS. Human Reproduction, 2011, 26, i278-i296.	0.9	0
82	27. Folate and female infertility: folate-metabolizing pathway in folliculogenesis, infertility treatment, and implantation. Human Health Handbooks, 2014, , 431-448.	0.1	0
83	A Novel Approach To Look At The Brain. Medicine and Science in Sports and Exercise, 2017, 49, 513.	0.4	0
84	Computational Approaches in Reproductomics. , 2018, , 347-383.		0
85	O-147 Differential seminal metabolomic signature is related to sperm quality. Human Reproduction, 2021, 36, .	0.9	0
86	166 THE DIFFERENTIAL TRANSCRIPTOME AND ONTOLOGY PROFILES OF MURAL AND CUMULUS GRANULOSA CELLS IN STIMULATED HUMAN ANTRAL FOLLICLES. Reproduction, Fertility and Development, 2011, 23, 185.	0.4	0
87	Otras modalidades de soporte de fase lÃtea diferentes a la progesterona. , 2020, , 113-122.		0
88	P-409 – The endometrial transcriptome of infertile women with and without recurrent implantation failure. Human Reproduction, 2022, 37, .	0.9	0
89	P-431 – Functionally active microbiota in the receptive-phase endometria in women with recurrent implantation failure. Human Reproduction, 2022, 37, .	0.9	0
90	P-322 – Does endometrium age? The endometrial transcriptome of advanced reproductive age patients reveals the signs of cellular ageing, altered immune response and compromised receptivity. Human Reproduction, 2022, 37, .	0.9	0

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91	P-423 Metabolomic profiles of receptive-phase endometrium in women with different infertility diagnosis. Human Reproduction, 2022, 37, .	0.9	0
92	P-103 Physical fitness is positively associated with sperm quality in healthy young men. Human Reproduction, 2022, 37, .	0.9	0