

# Sten P Willemsen

## List of Publications by Year in descending order

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57  
papers

822  
citations

566801

15  
h-index

610482

24  
g-index

64  
all docs

64  
docs citations

64  
times ranked

959  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of an mHealth Platform for Pregnancy on Nutrition and Lifestyle of the Reproductive Population: A Survey. <i>JMIR MHealth and UHealth</i> , 2016, 4, e53.	1.8	97
2	Early- and late-onset preeclampsia and the tissue-specific epigenome of the placenta and newborn. <i>Placenta</i> , 2017, 58, 122-132.	0.7	52
3	The use of the mHealth program Smarter Pregnancy in preconception care: rationale, study design and data collection of a randomized controlled trial. <i>BMC Pregnancy and Childbirth</i> , 2017, 17, 46.	0.9	48
4	Healthy preconception nutrition and lifestyle using personalized mobile health coaching is associated with enhanced pregnancy chance. <i>Reproductive BioMedicine Online</i> , 2017, 35, 453-460.	1.1	48
5	A Mobile App Lifestyle Intervention to Improve Healthy Nutrition in Women Before and During Early Pregnancy: Single-Center Randomized Controlled Trial. <i>Journal of Medical Internet Research</i> , 2020, 22, e15773.	2.1	39
6	First effective mHealth nutrition and lifestyle coaching program for subfertile couples undergoing in vitro fertilization treatment: a single-blinded multicenter randomized controlled trial. <i>Fertility and Sterility</i> , 2020, 114, 945-954.	0.5	29
7	Ductal carcinoma in situ diagnosed by breast needle biopsy: Predictors of invasion in the excision specimen. <i>Breast</i> , 2016, 27, 15-21.	0.9	26
8	Impact of a Blended Periconception Lifestyle Care Approach on Lifestyle Behaviors: Before-and-After Study. <i>Journal of Medical Internet Research</i> , 2020, 22, e19378.	2.1	23
9	Neighborhood Deprivation and the Effectiveness of Mobile Health Coaching to Improve Periconceptional Nutrition and Lifestyle in Women: Survey in a Large Urban Municipality in the Netherlands. <i>JMIR MHealth and UHealth</i> , 2019, 7, e11664.	1.8	22
10	Normative data for cutaneous threshold and spatial discrimination in the feet. <i>Muscle and Nerve</i> , 2017, 56, 399-407.	1.0	20
11	The effects of bariatric surgery on periconception maternal health: a systematic review and meta-analysis. <i>Human Reproduction Update</i> , 2021, 27, 1030-1055.	5.2	20
12	Paternal Folate Status and Sperm Quality, Pregnancy Outcomes, and Epigenetics: A Systematic Review and Meta-Analysis. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e1900696.	1.5	19
13	Periconceptional maternal biomarkers of one-carbon metabolism and embryonic growth trajectories: the Rotterdam Periconceptional Cohort (Predict Study). <i>Fertility and Sterility</i> , 2017, 107, 691-698.e1.	0.5	18
14	Does the father matter? The association between the periconceptional paternal folate status and embryonic growth. <i>Fertility and Sterility</i> , 2019, 111, 270-279.	0.5	17
15	Propofol for endotracheal intubation in neonates: a dose-finding trial. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2020, 105, 489-495.	1.4	17
16	Periconception Maternal Folate Status and Human Embryonic Cerebellum Growth Trajectories: The Rotterdam Predict Study. <i>PLoS ONE</i> , 2015, 10, e0141089.	1.1	17
17	Maternal Lifestyle Impairs Embryonic Growth: The Rotterdam Periconception Cohort. <i>Reproductive Sciences</i> , 2018, 25, 916-922.	1.1	16
18	First trimester physiological development of the fetal foot position using three-dimensional ultrasound in virtual reality. <i>Journal of Obstetrics and Gynaecology Research</i> , 2019, 45, 280-288.	0.6	16

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19	Preconceptional maternal weight loss and hypertensive disorders in pregnancy: a systematic review and meta-analysis. <i>European Journal of Clinical Nutrition</i> , 2021, 75, 1684-1697.	1.3	15
20	Early first trimester maternal "high fish and olive oil and low meat" dietary pattern is associated with accelerated human embryonic development. <i>European Journal of Clinical Nutrition</i> , 2018, 72, 1655-1662.	1.3	14
21	New Ultrasound Measurements to Bridge the Gap between Prenatal and Neonatal Brain Growth Assessment. <i>American Journal of Neuroradiology</i> , 2017, 38, 1807-1813.	1.2	13
22	Preconceptional Maternal Vegetable Intake and Paternal Smoking Are Associated with Pre-implantation Embryo Quality. <i>Reproductive Sciences</i> , 2020, 27, 2018-2028.	1.1	13
23	The tissue-specific aspect of genome-wide DNA methylation in newborn and placental tissues: implications for epigenetic epidemiologic studies. <i>Journal of Developmental Origins of Health and Disease</i> , 2021, 12, 113-123.	0.7	13
24	The influence of frozen-thawed and fresh embryo transfer on utero-placental (vascular) development: the Rotterdam Periconception cohort. <i>Human Reproduction</i> , 2021, 36, 2091-2100.	0.4	13
25	Are Dieting and Dietary Inadequacy a Second Hit in the Association with Polycystic Ovary Syndrome Severity?. <i>PLoS ONE</i> , 2015, 10, e0142772.	1.1	12
26	Dietary patterns and the phenotype of polycystic ovary syndrome: the chance of ongoing pregnancy. <i>Reproductive BioMedicine Online</i> , 2017, 34, 668-676.	1.1	11
27	A higher preconceptional paternal body mass index influences fertilization rate and preimplantation embryo development. <i>Andrology</i> , 2022, 10, 486-494.	1.9	11
28	A multivariate Bayesian model for embryonic growth. <i>Statistics in Medicine</i> , 2015, 34, 1351-1365.	0.8	9
29	The impact of early- and late-onset preeclampsia on umbilical cord blood cell populations. <i>Journal of Reproductive Immunology</i> , 2016, 116, 81-85.	0.8	9
30	Evaluation of First-Trimester Physiological Midgut Herniation Using Three-Dimensional Ultrasound. <i>Fetal Diagnosis and Therapy</i> , 2019, 45, 332-338.	0.6	9
31	Three-dimensional ultrasound imaging of fetal brain fissures in the growth restricted fetus. <i>PLoS ONE</i> , 2019, 14, e0217538.	1.1	9
32	First Trimester Maternal Homocysteine and Embryonic and Fetal Growth: The Rotterdam Periconception Cohort. <i>Nutrients</i> , 2022, 14, 1129.	1.7	9
33	IVF with or without ICSI and the impact on human embryonic brain development: the Rotterdam Periconceptional Cohort. <i>Human Reproduction</i> , 2021, 36, 596-604.	0.4	8
34	Periconceptional maternal and paternal homocysteine levels and early utero-placental (vascular) growth trajectories: The Rotterdam periconception cohort. <i>Placenta</i> , 2021, 115, 45-52.	0.7	8
35	Prenatal influence of congenital heart defects on trajectories of cortical folding of the fetal brain using three-dimensional ultrasound. <i>Prenatal Diagnosis</i> , 2017, 37, 1008-1016.	1.1	7
36	Effect of human embryonic morphological development on fetal growth parameters: the Rotterdam Periconceptional Cohort (Predict Study). <i>Reproductive BioMedicine Online</i> , 2019, 38, 613-620.	1.1	7

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37	Genetic biomarkers for intravenous immunoglobulin response in chronic inflammatory demyelinating polyradiculoneuropathy. <i>European Journal of Neurology</i> , 2021, 28, 1677-1683.	1.7	7
38	Study protocol for a prospective cohort study to investigate Hemodynamic Adaptation to Pregnancy and Placenta-related Outcome: the HAPPO study. <i>BMJ Open</i> , 2019, 9, e033083.	0.8	6
39	An Analysis of Aesthetic Refinements in 120 Secondary Cleft Rhinoplasties. <i>Annals of Plastic Surgery</i> , 2019, 83, 429-435.	0.5	6
40	No independent associations between preconception paternal dietary patterns and embryonic growth; the Predict Study. <i>Clinical Nutrition</i> , 2019, 38, 2333-2341.	2.3	6
41	Growth trajectories of the human fetal brain in healthy and complicated pregnancies and associations with neurodevelopmental outcome in the early life course. <i>Early Human Development</i> , 2020, 151, 105224.	0.8	6
42	Stenting the ureteroneocystostomy reduces urological complications in kidney transplantation: a noninferiority randomized controlled trial, SPLINT trial. <i>Transplant International</i> , 2020, 33, 1190-1198.	0.8	6
43	Smartphone-based lifestyle coaching modifies behaviours in women with subfertility or recurrent miscarriage: a randomized controlled trial. <i>Reproductive BioMedicine Online</i> , 2021, 43, 111-119.	1.1	6
44	Higher preconceptional maternal body mass index is associated with faster early preimplantation embryonic development: the Rotterdam periconception cohort. <i>Reproductive Biology and Endocrinology</i> , 2021, 19, 145.	1.4	6
45	The impact of the origin of surgical sperm retrieval on placental and embryonic development: The Rotterdam Periconception cohort. <i>Andrology</i> , 2021, 9, 599-609.	1.9	5
46	The Impact of Neighbourhood Deprivation on Embryonic Growth Trajectories: Rotterdam Periconception Cohort. <i>Journal of Clinical Medicine</i> , 2019, 8, 1913.	1.0	4
47	Prenatal growth trajectories and birth outcomes after frozen-thawed extended culture embryo transfer and fresh embryo transfer: the Rotterdam Periconception Cohort. <i>Reproductive BioMedicine Online</i> , 2021, 43, 279-287.	1.1	4
48	The Impact of Preconception Gastric Bypass Surgery on Maternal Micronutrient Status before and during Pregnancy: A Retrospective Cohort Study in the Netherlands between 2009 and 2019. <i>Nutrients</i> , 2022, 14, 736.	1.7	4
49	Periconceptional maternal social, lifestyle and medical risk factors impair embryonic growth: The Rotterdam Periconceptional Cohort. <i>Reproductive BioMedicine Online</i> , 2022, 44, 1123-1133.	1.1	4
50	The Impact of Culture Medium on Morphokinetics of Cleavage Stage Embryos: An Observational Study. <i>Reproductive Sciences</i> , 2022, 29, 2179-2189.	1.1	4
51	Periconceptional maternal dairy-rich dietary pattern is associated with prenatal cerebellar growth. <i>PLoS ONE</i> , 2018, 13, e0197901.	1.1	3
52	Corpus luteum number and the maternal renin-angiotensin-aldosterone system as determinants of utero-placental (vascular) development: the Rotterdam Periconceptional Cohort. <i>Reproductive Biology and Endocrinology</i> , 2021, 19, 164.	1.4	3
53	Periconceptional maternal folate status and the impact on embryonic head and brain structures: the Rotterdam Periconceptional Cohort. <i>Reproductive BioMedicine Online</i> , 2022, 44, 515-523.	1.1	3
54	Shorter periconception maternal telomere length and the risk of congenital cardiac outflow defects in the offspring. <i>European Journal of Clinical Investigation</i> , 2022, 52, e13784.	1.7	3

#	ARTICLE	IF	CITATIONS
55	Evaluation of embryonic posture using four-dimensional ultrasound and virtual reality. Journal of Obstetrics and Gynaecology Research, 2021, 47, 397-406.	0.6	1
56	Optimizing the Periconception Lifestyle of Women With Overweight Using a Blended Personalized Care Intervention Combining eHealth and Face-to-face Counseling (eFUSE): Protocol for a Randomized Controlled Trial. JMIR Research Protocols, 2021, 10, e28600.	0.5	1
57	First-trimester maternal renin-angiotensin-aldosterone system activation and fetal growth and birth weight: The Rotterdam Periconceptional Cohort. Reproductive BioMedicine Online, 2022, , .	1.1	0