

Olav B Petersen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

91
papers

1,750
citations

23
h-index

39
g-index

123
ext. papers

2,091
ext. citations

4.2
avg, IF

4.59
L-index

#	Paper	IF	Citations
91	Randomized clinical trial of laparoscopic versus open appendicectomy. <i>British Journal of Surgery</i> , 2001 , 88, 200-5	5.3	161
90	Impact of a new national screening policy for Down's syndrome in Denmark: population based cohort study. <i>BMJ, The</i> , 2008 , 337, a2547	5.9	159
89	Risk of fetal loss associated with invasive testing following combined first-trimester screening for Down syndrome: a national cohort of 147,987 singleton pregnancies. <i>Ultrasound in Obstetrics and Gynecology</i> , 2016 , 47, 38-44	5.8	111
88	Potential diagnostic consequences of applying non-invasive prenatal testing: population-based study from a country with existing first-trimester screening. <i>Ultrasound in Obstetrics and Gynecology</i> , 2014 , 43, 265-71	5.8	89
87	First-trimester combined screening for trisomy 21 at 7-14 weeks gestation. <i>Ultrasound in Obstetrics and Gynecology</i> , 2010 , 36, 404-11	5.8	86
86	Identification of submicroscopic chromosomal aberrations in fetuses with increased nuchal translucency and apparently normal karyotype. <i>Ultrasound in Obstetrics and Gynecology</i> , 2011 , 38, 314-9	5.8	81
85	A reassessment of biochemical marker distributions in trisomy 21-affected and unaffected twin pregnancies in the first trimester. <i>Ultrasound in Obstetrics and Gynecology</i> , 2011 , 37, 38-47	5.8	57
84	Influence of chorionicity on perinatal outcome in a large cohort of Danish twin pregnancies. <i>Ultrasound in Obstetrics and Gynecology</i> , 2012 , 39, 69-74	5.8	50
83	Current use of noninvasive prenatal testing in Europe, Australia and the USA: A graphical presentation. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2020 , 99, 722-730	3.8	48
82	Chromosomal microarray in fetuses with increased nuchal translucency. <i>Ultrasound in Obstetrics and Gynecology</i> , 2015 , 45, 95-100	5.8	40
81	The Danish Fetal Medicine Database: establishment, organization and quality assessment of the first trimester screening program for trisomy 21 in Denmark 2008-2012. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2015 , 94, 577-83	3.8	39
80	Strain rate derived from color Doppler myocardial imaging for assessment of fetal cardiac function. <i>Ultrasound in Obstetrics and Gynecology</i> , 2006 , 27, 210-3	5.8	39
79	Preferences for prenatal tests for Down syndrome: an international comparison of the views of pregnant women and health professionals. <i>European Journal of Human Genetics</i> , 2016 , 24, 968-75	5.3	38
78	Does screening for Down's syndrome cause anxiety in pregnant women? A systematic review. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2015 , 94, 15-27	3.8	36
77	First-trimester screening for trisomy 21 in Denmark: implications for detection and birth rates of trisomy 18 and trisomy 13. <i>Ultrasound in Obstetrics and Gynecology</i> , 2011 , 38, 140-4	5.8	36
76	Improved performance of first-trimester combined screening for trisomy 21 with the double test taken before a gestational age of 10 weeks. <i>Prenatal Diagnosis</i> , 2008 , 28, 839-44	3.2	35
75	Chromosomal microarray as primary diagnostic genomic tool for pregnancies at increased risk within a population-based combined first-trimester screening program. <i>Ultrasound in Obstetrics and Gynecology</i> , 2018 , 51, 480-486	5.8	34

74	Cerebral Oxygenation Measurements by Magnetic Resonance Imaging in Fetuses With and Without Heart Defects. <i>Circulation: Cardiovascular Imaging</i> , 2017 , 10, e006459	3.9	33
73	Targeted gene sequencing and whole-exome sequencing in autopsied fetuses with prenatally diagnosed kidney anomalies. <i>Clinical Genetics</i> , 2018 , 93, 860-869	4	32
72	Systolic myocardial velocity alterations in the growth-restricted fetus with cerebroplacental redistribution. <i>Ultrasound in Obstetrics and Gynecology</i> , 2009 , 34, 62-7	5.8	30
71	National screening guidelines and developments in prenatal diagnoses and live births of Down syndrome in 1973-2016 in Denmark. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2018 , 97, 195-203	3.8	27
70	Prenatal diagnosis: array comparative genomic hybridization in fetuses with abnormal sonographic findings. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2013 , 92, 762-8	3.8	26
69	Color Doppler myocardial imaging demonstrates reduced diastolic tissue velocity in growth retarded fetuses with flow redistribution. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2011 , 155, 140-5	2.4	25
68	Outcome of fetuses with short femur length detected at second-trimester anomaly scan: a national survey. <i>Ultrasound in Obstetrics and Gynecology</i> , 2014 , 44, 160-5	5.8	21
67	Fetal genital anomalies: an aid to diagnosis. <i>Prenatal Diagnosis</i> , 2008 , 28, 389-98	3.2	21
66	Termination of pregnancy following a prenatal diagnosis of Down syndrome: A qualitative study of the decision-making process of pregnant couples. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2018 , 97, 1228-1236	3.8	19
65	The "Consecutive Combined Test"--using double test from week 8 + 0 and nuchal translucency scan, for first trimester screening for Down syndrome. <i>Prenatal Diagnosis</i> , 2006 , 26, 1105-9	3.2	17
64	Transvaginal sonographic cervical length in first and second trimesters in a low-risk population: a prospective study. <i>Ultrasound in Obstetrics and Gynecology</i> , 2018 , 51, 604-613	5.8	16
63	Feasibility and clinical effects of laparoscopic abdominal cerclage: an observational study. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2012 , 91, 1314-8	3.8	16
62	Diode-pumped intracavity optical parametric oscillator in pulsed and continuous-wave operation. <i>Journal of Optics</i> , 2002 , 4, 190-193		16
61	Coping with worry while waiting for diagnostic results: a qualitative study of the experiences of pregnant couples following a high-risk prenatal screening result. <i>BMC Pregnancy and Childbirth</i> , 2016 , 16, 321	3.2	16
60	Impact of type 1 diabetes and glycemic control on fetal aneuploidy biochemical markers. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2012 , 91, 57-61	3.8	15
59	Decreased incidence of myelomeningocele at birth: effect of folic acid recommendations or prenatal diagnostics?. <i>Childs Nervous System</i> , 2011 , 27, 1951-5	1.7	15
58	The effects of dihydralazine, labetalol and magnesium sulphate on the isolated, perfused human placental cotyledon. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 1994 , 101, 871-8	3.7	15
57	Increased nuchal translucency thickness and risk of neurodevelopmental disorders. <i>Ultrasound in Obstetrics and Gynecology</i> , 2017 , 49, 592-598	5.8	14

56	Experiences and expectations in the first trimester of pregnancy: a qualitative study. <i>Health Expectations</i> , 2017 , 20, 1320-1329	3.7	14
55	Perinatal outcome after first-trimester risk assessment in monochorionic and dichorionic twin pregnancies: a population-based register study. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2015 , 122, 1362-9	3.7	14
54	Neurodevelopmental disorder in children believed to have isolated mild ventriculomegaly prenatally. <i>Ultrasound in Obstetrics and Gynecology</i> , 2019 , 54, 182-189	5.8	13
53	Temporal effects of maternal and pregnancy characteristics on serum pregnancy-associated plasma protein-A and free human chorionic gonadotropin at 7-14 weeks gestation. <i>Ultrasound in Obstetrics and Gynecology</i> , 2013 , 41, 33-9	5.8	12
52	Does Maternal Body Mass Index Affect the Quantity of Circulating Fetal Cells Available to Use for Cell-Based Noninvasive Prenatal Test in High-Risk Pregnancies?. <i>Fetal Diagnosis and Therapy</i> , 2019 , 45, 353-356	2.4	12
51	The effect of oophorectomy on mechanical properties of rabbit cerebral and coronary isolated small arteries. <i>American Journal of Obstetrics and Gynecology</i> , 1996 , 175, 1272-80	6.4	11
50	Prevalence of mosaicism in uncultured chorionic villus samples after chromosomal microarray and clinical outcome in pregnancies affected by confined placental mosaicism. <i>Prenatal Diagnosis</i> , 2020 , 40, 244-259	3.2	11
49	"It's probably nothing, but..." Couples' experiences of pregnancy following an uncertain prenatal genetic result. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2020 , 99, 791-801	3.8	10
48	Increased nuchal translucency, normal karyotype and infant development. <i>Ultrasound in Obstetrics and Gynecology</i> , 2012 , 39, 28-33	5.8	10
47	Nuchal translucency of 3.0-3.4 mm an indication for NIPT or microarray? Cohort analysis and literature review. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2020 , 99, 765-774	3.8	10
46	Linkage between the Danish National Health Service Prescription Database, the Danish Fetal Medicine Database, and other Danish registries as a tool for the study of drug safety in pregnancy. <i>Clinical Epidemiology</i> , 2016 , 8, 91-5	5.9	9
45	The accuracy of prenatal diagnosis of major congenital heart disease is increasing. <i>Journal of Obstetrics and Gynaecology</i> , 2020 , 40, 308-315	1.3	7
44	Mortality and morbidity of major congenital heart disease related to general prenatal screening for malformations. <i>International Journal of Cardiology</i> , 2019 , 290, 93-99	3.2	6
43	Prospective study evaluating performance of first-trimester combined screening for trisomy 21 using repeat sampling of maternal serum markers PAPP-A and free hCG. <i>Ultrasound in Obstetrics and Gynecology</i> , 2012 , 40, 276-81	5.8	6
42	Screening performance for trisomy 21 comparing first trimester combined screening and a first trimester contingent screening protocol including ductus venosus and tricuspid flow. <i>Prenatal Diagnosis</i> , 2012 , 32, 783-8	3.2	6
41	Population-Based Screening for Trisomies and Atypical Chromosomal Abnormalities: Improving Efficacy using the Combined First Trimester Screening Algorithm as well as Individual Risk Parameters. <i>Fetal Diagnosis and Therapy</i> , 2019 , 45, 424-429	2.4	6
40	Ten years of experience with first-trimester screening for fetal aneuploidy employing biochemistry from gestational weeks 6+0 to 13+6. <i>Fetal Diagnosis and Therapy</i> , 2015 , 37, 51-7	2.4	5
39	Tinzaparin for the treatment of foetal growth retardation: An open-labelled randomized clinical trial. <i>Thrombosis Research</i> , 2018 , 170, 38-44	8.2	5

38	Outcomes of monoamniotic twin pregnancies managed primarily in outpatient care-a Danish multicenter study. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 2019 , 98, 479-486	3.8	5
37	National data on the early clinical use of non-invasive prenatal testing in public and private healthcare in Denmark 2013-2017. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 2021 , 100, 884-892	3.8	5
36	Antibody response to influenza A(H1N1)pdm09 in vaccinated, serologically infected and unaffected pregnant women and their newborns. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 2015 , 94, 833-9	3.8	4
35	Prenatal diagnosis of craniosynostosis: sonographic features of Muenke syndrome. <i>Journal of Obstetrics and Gynaecology</i> , 2011 , 31, 770-1	1.3	4
34	Antidepressant use in pregnancy and severe cardiac malformations: Danish register-based study. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2021 , 128, 1949-1957	3.7	4
33	Does artificial intelligence for classifying ultrasound imaging generalize between different populations and contexts?. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021 , 57, 342-343	5.8	4
32	Two Cases of True Uterine Artery Aneurysms Diagnosed during Pregnancy. <i>Gynecologic and Obstetric Investigation</i> , 2017 , 82, 102-104	2.5	3
31	How do geneticists and prospective parents interpret and negotiate an uncertain prenatal genetic result? An analysis of clinical interactions. <i>Journal of Genetic Counseling</i> , 2020 , 29, 1221-1233	2.5	3
30	Prenatal screening for atypical chromosomal abnormalities: past or future?. <i>Ultrasound in Obstetrics and Gynecology</i> , 2018 , 51, 434-435	5.8	3
29	Screening for fetal trisomy 21 in gestational weeks 6 and 7. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 2010 , 89, 1218-21	3.8	3
28	Effects of ouabain on the isolated human uteroplacental vasculature. <i>American Journal of Obstetrics and Gynecology</i> , 1998 , 178, 892-8	6.4	3
27	Are the Danish stillbirth rates still record low? A nationwide ecological study. <i>BMJ Open</i> , 2020 , 10, e0407316	3.6	3
26	Refractory Fetal Supraventricular Tachycardia with Hydrops Successfully Converted by Intraperitoneal Flecainide in the Fetus: A Case Report. <i>Fetal Diagnosis and Therapy</i> , 2020 , 47, 717-720	2.4	2
25	OP04.05: Public 1st and 2nd trimester prenatal screening to all women: participation and satisfaction in a Danish region. <i>Ultrasound in Obstetrics and Gynecology</i> , 2010 , 36, 62-63	5.8	2
24	OC240: Abnormal fetal head shape: etiology and management. <i>Ultrasound in Obstetrics and Gynecology</i> , 2007 , 30, 441-441	5.8	2
23	Late puerperal thrombohemorrhagic complications in a patient with antiphospholipid syndrome. <i>European Journal of Haematology</i> , 2004 , 73, 437-40	3.8	2
22	Fetal Costello syndrome: description of phenotype of HRAS exon 1 mutations. <i>Ultrasound in Obstetrics and Gynecology</i> , 2020 , 55, 274-275	5.8	2
21	Mechanism of pancreatic and liver malformations in human fetuses with short-rib polydactyly syndrome. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2016 , 106, 549-62		1

20	Infants with prenatally diagnosed kidney anomalies have an increased risk of urinary tract infections. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2017 , 106, 1875-1881	3.1	1
19	Prenatally-detected giant lymphatic malformation. <i>Journal of Plastic Surgery and Hand Surgery</i> , 2011 , 45, 300-2	1.5	1
18	OC33.02: Fetal cardiac ejection fraction assessed from 4D ultrasound: spatio-temporal image correlation and volume calculation. <i>Ultrasound in Obstetrics and Gynecology</i> , 2005 , 26, 365-366	5.8	1
17	Crown-rump length measurement error: impact on assessment of growth. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021 , 58, 354-359	5.8	1
16	Associations Between ADHD Medication Use in Pregnancy and Severe Malformations Based on Prenatal and Postnatal Diagnoses: A Danish Registry-Based Study. <i>Journal of Clinical Psychiatry</i> , 2021 , 82,	4.6	1
15	Home management by remote self-monitoring in intermediate- and high-risk pregnancies: A retrospective study of 400 consecutive women. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2021 ,	3.8	1
14	OC02.03: Increased nuchal translucency, normal karyotype and infant development. <i>Ultrasound in Obstetrics and Gynecology</i> , 2011 , 38, 4-4	5.8	0
13	Consensus on Training and Assessment of Competence in Performing Chorionic Villus Sampling and Amniocentesis: An International Delphi Survey. <i>Fetal Diagnosis and Therapy</i> , 2021 , 1-18	2.4	0
12	Prenatal cardiac biometry and flow assessment in fetuses with bicuspid aortic valve at 20 weeksS gestation: multicenter cohort study. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021 , 58, 846-852	5.8	0
11	Obstetric care for women that use antidepressants in pregnancy. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2021 ,	3.7	0
10	PO-0416 2nd Trimester Head Size In Fetuses With Congenital Heart Disease: A Cohort Study. <i>Archives of Disease in Childhood</i> , 2014 , 99, A382.1-A382	2.2	
9	OP02.05: Performance of first trimester combined screening test for trisomy 21 and trisomy 13/18 with the double test taken before or after 10 weeks in 44,537 singleton pregnancies. <i>Ultrasound in Obstetrics and Gynecology</i> , 2009 , 34, 66-66	5.8	
8	P11.01: Development and establishment of a national Danish fetal medicine database for quality surveillance and research. <i>Ultrasound in Obstetrics and Gynecology</i> , 2009 , 34, 218-218	5.8	
7	P17.05: Terminations because of fetal anomalies beyond week 11 + 6 in a Danish population screened in 1st and 2nd trimester. <i>Ultrasound in Obstetrics and Gynecology</i> , 2010 , 36, 235-235	5.8	
6	P22.03: Implementation of extended 2nd trimester cardiac screening at a Danish university hospital. <i>Ultrasound in Obstetrics and Gynecology</i> , 2010 , 36, 253-254	5.8	
5	OC008: Improved performance of first-trimester screening for trisomy 21 with the double test taken before a gestational age of 10 weeks. <i>Ultrasound in Obstetrics and Gynecology</i> , 2008 , 32, 245-245	5.8	
4	OP14.07: Reduced diastolic myocardial tissue velocities in the growth retarded fetus. <i>Ultrasound in Obstetrics and Gynecology</i> , 2008 , 32, 356-356	5.8	
3	OC137: Quantitative description of fetal heart function using tissue Doppler imaging. <i>Ultrasound in Obstetrics and Gynecology</i> , 2004 , 24, 253-253	5.8	

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| 2 | Algorithm for sorting chromosomal aberration data. <i>Ultrasound in Obstetrics and Gynecology</i> , 2018 , 51, 557-558 | 5.8 |
| 1 | Trends in Non-invasive Prenatal Screening and Invasive Testing in Denmark (2000-2019) and Israel (2011-2019). <i>Frontiers in Medicine</i> , 2021 , 8, 768997 | 4.9 |