

Olav B Petersen

List of Publications by Year in descending order

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Version: 2024-02-01

93
papers

2,431
citations

236612

25
h-index

223531

46
g-index

123
all docs

123
docs citations

123
times ranked

2413
citing authors

#	ARTICLE	IF	CITATIONS
1	Randomized clinical trial of laparoscopic versus open appendicectomy. <i>British Journal of Surgery</i> , 2002, 88, 200-205.	0.1	208
2	Impact of a new national screening policy for Down's syndrome in Denmark: population based cohort study. <i>BMJ: British Medical Journal</i> , 2008, 337, a2547-a2547.	2.4	197
3	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.	0.9	149
4	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.	1.3	121
5	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, 265-271.	0.9	106
6	Identification of submicroscopic chromosomal aberrations in fetuses with increased nuchal translucency and apparently normal karyotype. <i>Ultrasound in Obstetrics and Gynecology</i> , 2011, 38, 314-319.	0.9	102
7	First-trimester combined screening for trisomy 21 at 7-14 weeks' gestation. <i>Ultrasound in Obstetrics and Gynecology</i> , 2010, 36, 404-411.	0.9	101
8	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.	0.9	66
9	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.	0.9	60
10	Cerebral Oxygenation Measurements by Magnetic Resonance Imaging in Fetuses With and Without Heart Defects. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, e006459.	1.3	59
11	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, 968-975.	1.4	56
12	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, 577-583.	1.3	52
13	Chromosomal microarray in fetuses with increased nuchal translucency. <i>Ultrasound in Obstetrics and Gynecology</i> , 2015, 45, 95-100.	0.9	49
14	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.	1.3	48
15	Targeted gene sequencing and whole-exome sequencing in autopsied fetuses with prenatally diagnosed kidney anomalies. <i>Clinical Genetics</i> , 2018, 93, 860-869.	1.0	48
16	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.	0.9	46
17	Strain rate derived from color Doppler myocardial imaging for assessment of fetal cardiac function. <i>Ultrasound in Obstetrics and Gynecology</i> , 2006, 27, 210-213.	0.9	44
18	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, 140-144.	0.9	41

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19	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.	1.3	41
20	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, 839-844.	1.1	36
21	Systolic myocardial velocity alterations in the growth-restricted fetus with cerebroplacental redistribution. <i>Ultrasound in Obstetrics and Gynecology</i> , 2009, 34, 62-67.	0.9	36
22	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.	1.3	34
23	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.	1.3	34
24	Prenatal diagnosis: array comparative genomic hybridization in fetuses with abnormal sonographic findings. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2013, 92, 762-768.	1.3	29
25	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, 140-145.	0.5	28
26	Neurodevelopmental disorder in children believed to have isolated mild ventriculomegaly prenatally. <i>Ultrasound in Obstetrics and Gynecology</i> , 2019, 54, 182-189.	0.9	28
27	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, 160-165.	0.9	26
28	Increased nuchal translucency thickness and risk of neurodevelopmental disorders. <i>Ultrasound in Obstetrics and Gynecology</i> , 2017, 49, 592-598.	0.9	25
29	Fetal genital anomalies: an aid to diagnosis. <i>Prenatal Diagnosis</i> , 2008, 28, 389-398.	1.1	24
30	Experiences and expectations in the first trimester of pregnancy: a qualitative study. <i>Health Expectations</i> , 2017, 20, 1320-1329.	1.1	23
31	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.	0.9	23
32	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.	1.1	23
33	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, 871-878.	1.1	20
34	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.	0.9	20
35	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.	0.6	20
36	Feasibility and clinical effects of laparoscopic abdominal cerclage: an observational study. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2012, 91, 1314-1318.	1.3	19

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37	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, 1362-1369.	1.1	19
38	Diode-pumped intracavity optical parametric oscillator in pulsed and continuous-wave operation. <i>Journal of Optics</i> , 2002, 4, 190-193.	1.5	18
39	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, 1105-1109.	1.1	18
40	Decreased incidence of myelomeningocele at birth: effect of folic acid recommendations or prenatal diagnostics?. <i>Child's Nervous System</i> , 2011, 27, 1951-1955.	0.6	18
41	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, 33-39.	0.9	18
42	"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.	1.3	18
43	Impact of type 1 diabetes and glycemic control on fetal aneuploidy biochemical markers. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2012, 91, 57-61.	1.3	17
44	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.	1.1	17
45	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> , 2022, 101, 135-144.	1.3	17
46	The accuracy of prenatal diagnosis of major congenital heart disease is increasing. <i>Journal of Obstetrics and Gynaecology</i> , 2020, 40, 308-315.	0.4	16
47	Increased nuchal translucency, normal karyotype and infant development. <i>Ultrasound in Obstetrics and Gynecology</i> , 2012, 39, 28-33.	0.9	13
48	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.	1.5	13
49	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.	0.6	13
50	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.	0.8	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, 1272-1280.	0.7	11
52	National data on the early clinical use of non-invasive prenatal testing in public and private healthcare in Denmark 2013-2017. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2021, 100, 884-892.	1.3	11
53	Crown-rump length measurement error: impact on assessment of growth. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021, 58, 354-359.	0.9	10
54	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, 276-281.	0.9	9

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55	Outcomes of monoamniotic twin pregnancies managed primarily in outpatient care—a Danish multicenter study. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2019, 98, 479-486.	1.3	9
56	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, 51-57.	0.6	8
57	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, 783-788.	1.1	7
58	Tinzaparin for the treatment of foetal growth retardation: An open-labelled randomized clinical trial. <i>Thrombosis Research</i> , 2018, 170, 38-44.	0.8	7
59	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.	0.9	7
60	Does artificial intelligence for classifying ultrasound imaging generalize between different populations and contexts?. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021, 57, 342-343.	0.9	7
61	Antibody response to influenza A(H1N1)pdm09 in vaccinated, serologically infected and unaffected pregnant women and their newborns. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2015, 94, 833-839.	1.3	6
62	Prenatal diagnosis of craniosynostosis: Sonographic features of Muenke syndrome. <i>Journal of Obstetrics and Gynaecology</i> , 2011, 31, 770-771.	0.4	5
63	Two Cases of True Uterine Artery Aneurysms Diagnosed during Pregnancy. <i>Gynecologic and Obstetric Investigation</i> , 2017, 82, 102-104.	0.7	5
64	Prenatal screening for atypical chromosomal abnormalities: past or future?. <i>Ultrasound in Obstetrics and Gynecology</i> , 2018, 51, 434-435.	0.9	5
65	Effects of ouabain on the isolated human uteroplacental vasculature. <i>American Journal of Obstetrics and Gynecology</i> , 1998, 178, 892-898.	0.7	4
66	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.	0.6	4
67	Prenatal cardiac biometrics and flow assessments in fetuses at 20 weeks with a bicuspid aortic valve compared to healthy controls: a multicenter, cohort study. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021, 58, 846-852.	0.9	4
68	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.	1.2	4
69	Screening for fetal trisomy 21 in gestational weeks 6 and 7. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2010, 89, 1218-1221.	1.3	3
70	Are the Danish stillbirth rates still record low? A nationwide ecological study. <i>BMJ Open</i> , 2020, 10, e040716.	0.8	3
71	Late puerperal thrombohemorrhagic complications in a patient with antiphospholipid syndrome. <i>European Journal of Haematology</i> , 2004, 73, 437-440.	1.1	2
72	OC240: Abnormal fetal head shape: etiology and management. <i>Ultrasound in Obstetrics and Gynecology</i> , 2007, 30, 441-441.	0.9	2

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73	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.	0.9	2
74	Fetal Costello syndrome: description of phenotype of HRAS exon 1 mutations. <i>Ultrasound in Obstetrics and Gynecology</i> , 2020, 55, 274-275.	0.9	2
75	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, 48, 720-737.	0.6	2
76	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.	0.9	1
77	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.	0.9	1
78	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.	0.9	1
79	OC02.03: Increased nuchal translucency, normal karyotype and infant development. <i>Ultrasound in Obstetrics and Gynecology</i> , 2011, 38, 4-4.	0.9	1
80	Prenatally-detected giant lymphatic malformation. <i>Journal of Plastic Surgery and Hand Surgery</i> , 2011, 45, 300-302.	0.4	1
81	Potential Diagnostic Consequences of Applying Noninvasive Prenatal Testing. <i>Obstetrical and Gynecological Survey</i> , 2014, 69, 321-323.	0.2	1
82	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, 549-562.	1.6	1
83	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.	0.7	1
84	Obstetric care for women that use antidepressants in pregnancy. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2021, , .	1.1	1
85	Associations Between ADHD Medication Use in Pregnancy and Severe Malformations Based on Prenatal and Postnatal Diagnoses. <i>Journal of Clinical Psychiatry</i> , 2021, 82, .	1.1	1
86	Second-trimester cardiovascular biometry in growth-restricted fetuses; a multicenter cohort study. <i>American Journal of Obstetrics and Gynecology</i> , 2022, 227, 81.e1-81.e13.	0.7	1
87	OC137: Quantitative description of fetal heart function using tissue Doppler imaging. <i>Ultrasound in Obstetrics and Gynecology</i> , 2004, 24, 253-253.	0.9	0
88	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.	0.9	0
89	OP14.07: Reduced diastolic myocardial tissue velocities in the growth retarded fetus. <i>Ultrasound in Obstetrics and Gynecology</i> , 2008, 32, 356-356.	0.9	0
90	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.	0.9	0

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91	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.	0.9	0
92	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.	1.0	0
93	Algorithm for sorting chromosomal aberration data. <i>Ultrasound in Obstetrics and Gynecology</i> , 2018, 51, 557-558.	0.9	0