

Kurt Hecher

List of Publications by Year in descending order

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99
papers

6,098
citations

117453

34
h-index

71532

76
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115
all docs

115
docs citations

115
times ranked

3976
citing authors

#	ARTICLE	IF	CITATIONS
1	ISUOG Practice Guidelines: role of ultrasound in twin pregnancy. <i>Ultrasound in Obstetrics and Gynecology</i> , 2016, 47, 247-263.	0.9	445
2	Monitoring of fetuses with intrauterine growth restriction: a longitudinal study. <i>Ultrasound in Obstetrics and Gynecology</i> , 2001, 18, 564-570.	0.9	405
3	The World Health Organization Fetal Growth Charts: A Multinational Longitudinal Study of Ultrasound Biometric Measurements and Estimated Fetal Weight. <i>PLoS Medicine</i> , 2017, 14, e1002220.	3.9	396
4	The outcome of monochorionic diamniotic twin gestations in the era of invasive fetal therapy: a prospective cohort study. <i>American Journal of Obstetrics and Gynecology</i> , 2008, 199, 514.e1-514.e8.	0.7	382
5	Preliminary Experience with Endoscopic Laser Surgery for Severe Twin-Twin Transfusion Syndrome. <i>New England Journal of Medicine</i> , 1995, 332, 224-227.	13.9	360
6	ISUOG Practice Guidelines: diagnosis and management of small-for-gestational-age fetus and fetal growth restriction. <i>Ultrasound in Obstetrics and Gynecology</i> , 2020, 56, 298-312.	0.9	351
7	2 year neurodevelopmental and intermediate perinatal outcomes in infants with very preterm fetal growth restriction (TRUFFLE): a randomised trial. <i>Lancet, The</i> , 2015, 385, 2162-2172.	6.3	347
8	Endoscopic laser surgery versus serial amniocenteses in the treatment of severe twin-twin transfusion syndrome. <i>American Journal of Obstetrics and Gynecology</i> , 1999, 180, 717-724.	0.7	315
9	Endoscopic laser coagulation of placental anastomoses in 200 pregnancies with severe mid-trimester twin-to-twin transfusion syndrome. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2000, 92, 135-139.	0.5	217
10	Intertwin anastomoses in monochorionic placentas after fetoscopic laser coagulation for twin-to-twin transfusion syndrome: Is there more than meets the eye?. <i>American Journal of Obstetrics and Gynecology</i> , 2006, 194, 790-795.	0.7	160
11	Long-term neurodevelopmental outcome of 167 children after intrauterine laser treatment for severe twin-twin transfusion syndrome. <i>American Journal of Obstetrics and Gynecology</i> , 2006, 194, 303-308.	0.7	157
12	Long-term neurodevelopmental outcome after intrauterine laser treatment for severe twin-twin transfusion syndrome. <i>American Journal of Obstetrics and Gynecology</i> , 2003, 188, 876-880.	0.7	145
13	Consensus definition and essential reporting parameters of selective fetal growth restriction in twin pregnancy: a Delphi procedure. <i>Ultrasound in Obstetrics and Gynecology</i> , 2019, 53, 47-54.	0.9	136
14	The World Health Organization fetal growth charts: concept, findings, interpretation, and application. <i>American Journal of Obstetrics and Gynecology</i> , 2018, 218, S619-S629.	0.7	135
15	Stage-Related Outcome in Twin-Twin Transfusion Syndrome Treated by Fetoscopic Laser Coagulation. <i>Obstetrics and Gynecology</i> , 2006, 108, 333-337.	1.2	133
16	Twin reversed arterial perfusion: fetoscopic laser coagulation of placental anastomoses or the umbilical cord. <i>Ultrasound in Obstetrics and Gynecology</i> , 2006, 28, 688-691.	0.9	128
17	Twin-Twin Transfusion Syndrome. <i>Circulation</i> , 2003, 107, 1906-1911.	1.6	88
18	Maternal nutrition, inadequate gestational weight gain and birth weight: results from a prospective birth cohort. <i>BMC Pregnancy and Childbirth</i> , 2016, 16, 224.	0.9	78

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19	Maternal outcomes and risk factors for COVID-19 severity among pregnant women. <i>Scientific Reports</i> , 2021, 11, 13898.	1.6	77
20	How can we diagnose and manage twin-twin transfusion syndrome?. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2004, 18, 543-556.	1.4	74
21	Successful outcome after Nd : YAG laser separation of chorioangiopagus-twins under sonoendoscopic control. <i>Ultrasound in Obstetrics and Gynecology</i> , 1992, 2, 429-431.	0.9	71
22	Update on twin-to-twin transfusion syndrome. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2019, 58, 55-65.	1.4	68
23	Fetoscopic laser coagulation in 1020 pregnancies with twin-twin transfusion syndrome demonstrates improvement in double-twin survival rate. <i>Ultrasound in Obstetrics and Gynecology</i> , 2017, 50, 728-735.	0.9	66
24	Potential for diagnosing imminent risk to appropriate- and small-for-gestational-age fetuses by Doppler sonographic examination of umbilical and cerebral arterial blood flow. <i>Ultrasound in Obstetrics and Gynecology</i> , 1992, 2, 266-271.	0.9	58
25	Severe fetal growth restriction at 26-32 weeks: key messages from the TRUFFLE study. <i>Ultrasound in Obstetrics and Gynecology</i> , 2017, 50, 285-290.	0.9	54
26	Laser coagulation of placental anastomoses with a 30° fetoscope in severe mid-trimester twin-twin transfusion syndrome with anterior placenta. <i>Ultrasound in Obstetrics and Gynecology</i> , 2008, 31, 412-416.	0.9	53
27	The diagnosis and management of suspected fetal growth restriction: an evidence-based approach. <i>American Journal of Obstetrics and Gynecology</i> , 2022, 226, 366-378.	0.7	51
28	Outcome in early-onset fetal growth restriction is best combining computerized fetal heart rate analysis with ductus venosus Doppler: insights from the Trial of Umbilical and Fetal Flow in Europe. <i>American Journal of Obstetrics and Gynecology</i> , 2018, 218, S783-S789.	0.7	49
29	Fetal cerebral Doppler changes and outcome in late preterm fetal growth restriction: prospective cohort study. <i>Ultrasound in Obstetrics and Gynecology</i> , 2020, 56, 173-181.	0.9	47
30	How to monitor pregnancies complicated by fetal growth restriction and delivery before 32 weeks: a post-hoc analysis of the TRUFFLE study. <i>Ultrasound in Obstetrics and Gynecology</i> , 2017, 49, 769-777.	0.9	46
31	Long-term outcomes for monozygotic twins after laser therapy in twin-to-twin transfusion syndrome. <i>The Lancet Child and Adolescent Health</i> , 2018, 2, 525-535.	2.7	40
32	The Impact of Entry Technique and Access Diameter on Prelabour Rupture of Membranes Following Primary Fetoscopic Laser Treatment for Twin-Twin Transfusion Syndrome. <i>Fetal Diagnosis and Therapy</i> , 2016, 40, 100-109.	0.6	39
33	Fetoscopic laser treatment of twin-to-twin transfusion syndrome followed by severe twin anemia-polycythemia sequence with spontaneous resolution. <i>American Journal of Obstetrics and Gynecology</i> , 2008, 198, e4-e7.	0.7	37
34	First-trimester intervention in twin reversed arterial perfusion sequence. <i>Ultrasound in Obstetrics and Gynecology</i> , 2020, 55, 47-49.	0.9	37
35	Longitudinal study of computerized cardiotocography in early fetal growth restriction. <i>Ultrasound in Obstetrics and Gynecology</i> , 2017, 50, 71-78.	0.9	36
36	Fetal monitoring indications for delivery and 2-year outcome in 310 infants with fetal growth restriction delivered before 32 weeks' gestation in the TRUFFLE study. <i>Ultrasound in Obstetrics and Gynecology</i> , 2017, 50, 347-352.	0.9	35

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37	Intrauterine fetoscopic laser surgery versus expectant management in stage 1 twin-to-twin transfusion syndrome: an international randomized trial. <i>American Journal of Obstetrics and Gynecology</i> , 2021, 224, 528.e1-528.e12.	0.7	35
38	Fetal cardiovascular hemodynamics in twin-twin transfusion syndrome. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2016, 95, 664-671.	1.3	34
39	Consensus diagnostic criteria and monitoring of twin anemia-polycythemia sequence: Delphi procedure. <i>Ultrasound in Obstetrics and Gynecology</i> , 2020, 56, 388-394.	0.9	34
40	Neurodevelopmental outcome at 6 years of age after intrauterine laser therapy for twin-twin transfusion syndrome. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2012, 101, 1200-1205.	0.7	33
41	Treatment and outcome of 370 cases with spontaneous or post-laser twin anemia-polycythemia sequence managed in 17 fetal therapy centers. <i>Ultrasound in Obstetrics and Gynecology</i> , 2020, 56, 378-387.	0.9	30
42	Innate immune responses to toll-like receptor stimulation are altered during the course of pregnancy. <i>Journal of Reproductive Immunology</i> , 2018, 128, 30-37.	0.8	28
43	Galectin-3 deficiency in pregnancy increases the risk of fetal growth restriction (FGR) via placental insufficiency. <i>Cell Death and Disease</i> , 2020, 11, 560.	2.7	28
44	Twin anemia-polycythemia sequence in a case of monoamniotic twins. <i>Ultrasound in Obstetrics and Gynecology</i> , 2013, 42, 108-111.	0.9	27
45	Intertwin cardiac status at 10-year follow-up after intrauterine laser coagulation therapy of severe twin-twin transfusion syndrome: comparison of donor, recipient and normal values. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2014, 99, F380-F385.	1.4	27
46	Paracetamol Medication During Pregnancy: Insights on Intake Frequencies, Dosages and Effects on Hematopoietic Stem Cell Populations in Cord Blood From a Longitudinal Prospective Pregnancy Cohort. <i>EBioMedicine</i> , 2017, 26, 146-151.	2.7	27
47	Twin-Twin Transfusion Syndrome: study protocol for developing, disseminating, and implementing a core outcome set. <i>Trials</i> , 2017, 18, 325.	0.7	27
48	Long-term outcome after intrauterine laser treatment for twin-twin transfusion syndrome. <i>Prenatal Diagnosis</i> , 2011, 31, 647-653.	1.1	26
49	Dynamic fetal cardiac magnetic resonance imaging in four-chamber view using Doppler ultrasound gating in normal fetal heart and in congenital heart disease: comparison with fetal echocardiography. <i>Ultrasound in Obstetrics and Gynecology</i> , 2019, 53, 669-675.	0.9	26
50	Core outcome set for research studies evaluating treatments for twin-twin transfusion syndrome. <i>Ultrasound in Obstetrics and Gynecology</i> , 2019, 54, 255-261.	0.9	26
51	Prediction of adverse perinatal outcome by cerebroplacental ratio adjusted for estimated fetal weight. <i>Ultrasound in Obstetrics and Gynecology</i> , 2018, 51, 381-386.	0.9	25
52	Current controversies in prenatal diagnosis 1: in utero therapy for spina bifida is ready for endoscopic repair. <i>Prenatal Diagnosis</i> , 2016, 36, 1161-1166.	1.1	24
53	The longitudinal course of pregnancy-related anxiety in parous and nulliparous women and its association with symptoms of social and generalized anxiety. <i>Journal of Affective Disorders</i> , 2020, 260, 111-118.	2.0	23
54	Role of fetal intertwin difference in middle cerebral artery peak systolic velocity in predicting neonatal twin anemia-polycythemia sequence. <i>Ultrasound in Obstetrics and Gynecology</i> , 2019, 53, 794-797.	0.9	21

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55	Psychometric properties of the German version of the pregnancy-related anxiety questionnaire-revised 2 (PRAQ-R2) in the third trimester of pregnancy. <i>BMC Pregnancy and Childbirth</i> , 2019, 19, 242.	0.9	20
56	Cardiovascular biomarkers in paired maternal and umbilical cord blood samples at term and near term delivery. <i>Early Human Development</i> , 2016, 94, 7-12.	0.8	17
57	Couplesâ€™ prenatal bonding to the fetus and the association with one's own and partner's emotional well-being and adult romantic attachment style. <i>Midwifery</i> , 2019, 79, 102549.	1.0	17
58	Quantified discordant placental echogenicity in twin anemia-polycythemia sequence (TAPS) and middle cerebral artery peak systolic velocity. <i>Ultrasound in Obstetrics and Gynecology</i> , 2018, 52, 373-377.	0.9	16
59	Cardiovascular Biomarkers in Amniotic Fluid, Umbilical Arterial Blood, Umbilical Venous Blood, and Maternal Blood at Delivery, and Their Reference Values for Full-Term, Singleton, Cesarean Deliveries. <i>Frontiers in Pediatrics</i> , 2019, 7, 271.	0.9	16
60	Screening, Management and Delivery in Twin Pregnancy. <i>Ultraschall in Der Medizin</i> , 2021, 42, 367-378.	0.8	16
61	Diagnosis and management of fetal growth restriction: the <sc>ISUOG</sc> guideline and comparison with the <sc>SMFM</sc> guideline. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021, 57, 884-887.	0.9	16
62	Development of standard definitions and grading for Maternal and Fetal Adverse Event Terminology. <i>Prenatal Diagnosis</i> , 2022, 42, 15-26.	1.1	16
63	Study protocol: developing, disseminating, and implementing a core outcome set for selective fetal growth restriction in monochorionic twin pregnancies. <i>Trials</i> , 2019, 20, 35.	0.7	15
64	Post-Laser Twin Anemia Polycythemia Sequence: Diagnosis, Management, and Outcome in an International Cohort of 164 Cases. <i>Journal of Clinical Medicine</i> , 2020, 9, 1759.	1.0	14
65	Fetal dynamic magnetic resonance imaging using Doppler ultrasound gating for the assessment of the aortic isthmus: A feasibility study. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2021, 100, 67-73.	1.3	12
66	Neither the differentiation between twinâ€™twin transfusion syndrome Stages I and II nor III and IV makes a difference regarding the probability of double survival after laser therapy. <i>Ultrasound in Obstetrics and Gynecology</i> , 2020, 58, 201-206.	0.9	11
67	Fetal cerebral bloodâ€™flow redistribution: analysis of Doppler reference charts and association of different thresholds with adverse perinatal outcome. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021, 58, 705-715.	0.9	10
68	Manifestation and Associated Factors of Pregnancy-Related Worries in Expectant Fathers. <i>Frontiers in Psychiatry</i> , 2020, 11, 575845.	1.3	9
69	In-depth characterization of monocyte subsets during the course of healthy pregnancy. <i>Journal of Reproductive Immunology</i> , 2020, 141, 103151.	0.8	9
70	Perinatal and 2-year neurodevelopmental outcome in late preterm fetal compromise: the TRUFFLE 2 randomised trial protocol. <i>BMJ Open</i> , 2022, 12, e055543.	0.8	8
71	Discordance of umbilical coiling index between recipients and donors in twin-twin transfusion syndrome. <i>Placenta</i> , 2019, 76, 19-22.	0.7	7
72	Interleukin-6 elevation in healthy neonates. <i>Journal of Perinatology</i> , 2020, 40, 294-298.	0.9	7

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73	Fetoscopic techniques for prenatal covering of gastroschisis in an ovine model are technically demanding and do not lead to permanent anchoring on the fetus until the end of gestation. Surgical Endoscopy and Other Interventional Techniques, 2021, 35, 745-753.	1.3	7
74	The mnemonic code of pregnancy: Comparative analyses of pregnancy success and complication risk in first and second human pregnancies. Journal of Reproductive Immunology, 2019, 134-135, 11-20.	0.8	4
75	Intrauterine Ultrasound-Guided Laser Coagulation of the Feeding Artery in FetalÂBronchopulmonary Sequestration. Ultraschall in Der Medizin, 2017, 38, 583-586.	0.8	3
76	Third Trimester Umbilical Artery Doppler in Low-Risk Pregnancies and its Correlation to Estimated Fetal Weight and Birthweight. Ultraschall in Der Medizin, 2019, 42, 285-290.	0.8	3
77	Longitudinal Doppler Assessments in Late Preterm Fetal Growth Restriction. Ultraschall in Der Medizin, 2023, 44, 56-67.	0.8	3
78	Twin-to-twin transfusion syndrome: Controversies in the diagnosis and management. Best Practice and Research in Clinical Obstetrics and Gynaecology, 2022, 84, 143-154.	1.4	3
79	Comparative analysis of high field MRI and histology for ex vivo whole organ imaging: assessment of placental functional morphology in a murine model. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2019, 32, 197-204.	1.1	2
80	OC117: Laser coagulation of placental anastomoses in severe mid-trimester twin-twin transfusion syndrome and anterior placenta with a 30Â° fetoscope. Ultrasound in Obstetrics and Gynecology, 2007, 30, 403-403.	0.9	1
81	OP09.07: TTTS1 protocol: a cluster randomized controlled trial comparing a conservative management and primary laser surgery in stage 1 TTTS. Ultrasound in Obstetrics and Gynecology, 2009, 34, 90-90.	0.9	1
82	Intrauterine surgery: how far we have come in 30â€‰years. Ultrasound in Obstetrics and Gynecology, 2021, 57, 22-24.	0.9	1
83	Re: Outcomeâ€based comparison of SMFM and ISUOG definitions of fetal growth restriction. Ultrasound in Obstetrics and Gynecology, 2021, 58, 493-494.	0.9	1
84	Estimation of Optimal Nasotracheal Tube Insertion Depth in Neonates Based on Fetal Biometric Measurements. Neonatology, 2022, 119, 397-401.	0.9	1
85	OC24.05: The proportion of umbilical blood shunting through the ductus venosus in nonhuman primate fetuses. Ultrasound in Obstetrics and Gynecology, 2005, 26, 348-348.	0.9	0
86	OC30.08: Stage-related outcome in severe mid-trimester twin-twin transfusion syndrome treated by fetoscopic laser coagulation. Ultrasound in Obstetrics and Gynecology, 2005, 26, 360-360.	0.9	0
87	OC33.10: Glucose influx rate of fetal organs during acute hypoxia measured by positron emission tomography (PET): the pilot study. Ultrasound in Obstetrics and Gynecology, 2005, 26, 368-368.	0.9	0
88	OC36.01: BOLD magnetic resonance imaging during fetal hypoxia. Ultrasound in Obstetrics and Gynecology, 2005, 26, 371-371.	0.9	0
89	P16.14: F-18-fluorodeoxyglucose (FDG) uptake of fetal organs during acute hypoxia measured by positron emission tomography (PET): the pilot study. Ultrasound in Obstetrics and Gynecology, 2005, 26, 470-470.	0.9	0
90	OP10.14: Laser therapy of twin-twin transfusion syndrome in triplet pregnancies. Ultrasound in Obstetrics and Gynecology, 2007, 30, 490-490.	0.9	0

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91	P46.09: Severely abnormal flow patterns in the ductus venosus in the presence of otherwise normal fetal Doppler parameters in two cases with severe IUGR. <i>Ultrasound in Obstetrics and Gynecology</i> , 2007, 30, 630-631.	0.9	0
92	P37.04: A report of dizygotic monochorionic twins complicated with twin-to-twin transfusion syndrome. <i>Ultrasound in Obstetrics and Gynecology</i> , 2008, 32, 439-439.	0.9	0
93	P42.08: Laser therapy for severe TTTS: Comparison between triplets and twins. <i>Ultrasound in Obstetrics and Gynecology</i> , 2008, 32, 455-455.	0.9	0
94	OC14.05: Fetal cardiac MR imaging with cardiac triggering in the sheep fetus: preliminary results. <i>Ultrasound in Obstetrics and Gynecology</i> , 2009, 34, 27-27.	0.9	0
95	OC22.08: New indices for the analysis of ductus venosus flow velocity waveforms: preliminary study in twin-to-twin transfusion syndrome treated with laser coagulation. <i>Ultrasound in Obstetrics and Gynecology</i> , 2009, 34, 42-42.	0.9	0
96	OP03.07: In-vivo MRI measurement of fetal blood oxygen saturation in cardiac ventricles of fetal sheep: a feasibility study. <i>Ultrasound in Obstetrics and Gynecology</i> , 2009, 34, 70-71.	0.9	0
97	OP24.04: Time-related analysis of ductus venosus flow velocity waveforms in normal singleton pregnancies. <i>Ultrasound in Obstetrics and Gynecology</i> , 2010, 36, 122-122.	0.9	0
98	Mehrlingsschwangerschaft. , 2018, , 567-591.		0
99	Fetal immune development is directly modulated by maternal immune cells during pregnancy in mice. , 2020, 80, .		0