

Kurt Hecher

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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.

94 papers	4,248 citations	30 h-index	65 g-index
115 ext. papers	5,222 ext. citations	5.6 avg, IF	5.18 L-index

#	Paper	IF	Citations
94	Monitoring of fetuses with intrauterine growth restriction: a longitudinal study. <i>Ultrasound in Obstetrics and Gynecology</i> , 2001 , 18, 564-70	5.8	336
93	Preliminary experience with endoscopic laser surgery for severe twin-twin transfusion syndrome. <i>New England Journal of Medicine</i> , 1995 , 332, 224-7	59.2	315
92	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.e1-8	6.4	285
91	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, 717-24	6.4	282
90	ISUOG Practice Guidelines: role of ultrasound in twin pregnancy. <i>Ultrasound in Obstetrics and Gynecology</i> , 2016 , 47, 247-63	5.8	267
89	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, 2162-72	40	263
88	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	11.6	251
87	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, 135-9	2.4	187
86	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, 303-8	6.4	136
85	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, 790-5	6.4	135
84	Long-term neurodevelopmental outcome after intrauterine laser treatment for severe twin-twin transfusion syndrome. <i>American Journal of Obstetrics and Gynecology</i> , 2003 , 188, 876-80	6.4	125
83	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	5.8	114
82	Stage-related outcome in twin-twin transfusion syndrome treated by fetoscopic laser coagulation. <i>Obstetrics and Gynecology</i> , 2006 , 108, 333-7	4.9	112
81	Twin reversed arterial perfusion: fetoscopic laser coagulation of placental anastomoses or the umbilical cord. <i>Ultrasound in Obstetrics and Gynecology</i> , 2006 , 28, 688-91	5.8	101
80	Twin-twin transfusion syndrome: the influence of intrauterine laser photocoagulation on arterial distensibility in childhood. <i>Circulation</i> , 2003 , 107, 1906-11	16.7	75
79	The World Health Organization fetal growth charts: concept, findings, interpretation, and application. <i>American Journal of Obstetrics and Gynecology</i> , 2018 , 218, S619-S629	6.4	73
78	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	5.8	72

77	How can we diagnose and manage twin-twin transfusion syndrome?. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2004 , 18, 543-56	4.6	66
76	Successful outcome after Nd : YAG laser separation of chorioangiopagus-twins under sonoendoscopic control. <i>Ultrasound in Obstetrics and Gynecology</i> , 1992 , 2, 429-31	5.8	57
75	Maternal nutrition, inadequate gestational weight gain and birth weight: results from a prospective birth cohort. <i>BMC Pregnancy and Childbirth</i> , 2016 , 16, 224	3.2	52
74	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, 266-71	5.8	49
73	Laser coagulation of placental anastomoses with a 30 degrees fetoscope in severe mid-trimester twin-twin transfusion syndrome with anterior placenta. <i>Ultrasound in Obstetrics and Gynecology</i> , 2008 , 31, 412-6	5.8	48
72	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	5.8	43
71	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	6.4	39
70	How to monitor pregnancies complicated by fetal growth restriction and delivery before 32 weeks: post-hoc analysis of TRUFFLE study. <i>Ultrasound in Obstetrics and Gynecology</i> , 2017 , 49, 769-777	5.8	34
69	Update on twin-to-twin transfusion syndrome. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2019 , 58, 55-65	4.6	32
68	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, e4-7	6.4	31
67	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, 100-9	2.4	30
66	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	5.8	30
65	Longitudinal study of computerized cardiotocography in early fetal growth restriction. <i>Ultrasound in Obstetrics and Gynecology</i> , 2017 , 50, 71-78	5.8	29
64	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	5.8	28
63	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, 1200-5	3.1	28
62	Long-term outcomes for monochorionic twins after laser therapy in twin-to-twin transfusion syndrome. <i>The Lancet Child and Adolescent Health</i> , 2018 , 2, 525-535	14.5	27
61	Maternal outcomes and risk factors for COVID-19 severity among pregnant women. <i>Scientific Reports</i> , 2021 , 11, 13898	4.9	27
60	Twin-Twin Transfusion Syndrome: study protocol for developing, disseminating, and implementing a core outcome set. <i>Trials</i> , 2017 , 18, 325	2.8	25

59	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	4.2	23
58	Twin anemia-polycythemia sequence in a case of monoamniotic twins. <i>Ultrasound in Obstetrics and Gynecology</i> , 2013 , 42, 108-11	5.8	23
57	Core outcome set for research studies evaluating treatments for twin-twin transfusion syndrome. <i>Ultrasound in Obstetrics and Gynecology</i> , 2019 , 54, 255-261	5.8	23
56	Long-term outcome after intrauterine laser treatment for twin-twin transfusion syndrome. <i>Prenatal Diagnosis</i> , 2011 , 31, 647-53	3.2	22
55	Fetal cardiovascular hemodynamics in twin-twin transfusion syndrome. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2016 , 95, 664-71	3.8	21
54	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, F380-5	4.7	20
53	First-trimester intervention in twin reversed arterial perfusion sequence. <i>Ultrasound in Obstetrics and Gynecology</i> , 2020 , 55, 47-49	5.8	20
52	Prediction of adverse perinatal outcome by cerebroplacental ratio adjusted for estimated fetal weight. <i>Ultrasound in Obstetrics and Gynecology</i> , 2018 , 51, 381-386	5.8	18
51	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	3.2	17
50	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	8.8	17
49	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	5.8	16
48	Consensus diagnostic criteria and monitoring of twin anemia-polycythemia sequence: Delphi procedure. <i>Ultrasound in Obstetrics and Gynecology</i> , 2020 , 56, 388-394	5.8	15
47	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	2.8	14
46	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	5.8	11
45	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	6.6	11
44	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	6.4	11
43	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	3.2	10
42	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	5.8	10

41	Couples' 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	2.8	9
40	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	9.8	9
39	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	5.8	8
38	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	3.4	7
37	In-depth characterization of monocyte subsets during the course of healthy pregnancy. <i>Journal of Reproductive Immunology</i> , 2020 , 141, 103151	4.2	5
36	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,	5.1	5
35	Differentiation between TTTS Stages I vs II and III vs IV does not affect probability of double survival after laser therapy. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021 , 58, 201-206	5.8	5
34	Discordance of umbilical coiling index between recipients and donors in twin-twin transfusion syndrome. <i>Placenta</i> , 2019 , 76, 19-22	3.4	5
33	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	2.2	4
32	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. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2021 , 35, 745-753	5.2	4
31	Fetal cerebral blood-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	5.8	4
30	TEMPORARY REMOVAL: The diagnosis and management of suspected fetal growth restriction: an evidence-based approach.. <i>American Journal of Obstetrics and Gynecology</i> , 2022 ,	6.4	3
29	Interleukin-6 elevation in healthy neonates. <i>Journal of Perinatology</i> , 2020 , 40, 294-298	3.1	3
28	Screening, Management and Delivery in Twin Pregnancy. <i>Ultraschall in Der Medizin</i> , 2021 , 42, 367-378	3.8	3
27	Diagnosis and management of fetal growth restriction: the ISUOG guideline and comparison with the SMFM guideline. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021 , 57, 884-887	5.8	3
26	Manifestation and Associated Factors of Pregnancy-Related Worries in Expectant Fathers. <i>Frontiers in Psychiatry</i> , 2020 , 11, 575845	5	2
25	Comparative analysis of high field MRI and histology for ex vivo whole organ imaging: assessment of placental functional morphology in a murine model. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2019 , 32, 197-204	2.8	2
24	Intrauterine Ultrasound-Guided Laser Coagulation of the Feeding Artery in Fetal Bronchopulmonary Sequestration. <i>Ultraschall in Der Medizin</i> , 2017 , 38, 583-586	3.8	1

23	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	3.8	1
22	The mnemonic code of pregnancy: Comparative analyses of pregnancy success and complication risk in first and second human pregnancies. <i>Journal of Reproductive Immunology</i> , 2019 , 134-135, 11-20	4.2	o
21	OC117: Laser coagulation of placental anastomoses in severe mid-trimester twin-twin transfusion syndrome and anterior placenta with a 30° fetoscope. <i>Ultrasound in Obstetrics and Gynecology</i> , 2007 , 30, 403-403	5.8	o
20	Third Trimester Umbilical Artery Doppler in Low-Risk Pregnancies and its Correlation to Estimated Fetal Weight and Birthweight. <i>Ultraschall in Der Medizin</i> , 2021 , 42, 285-290	3.8	o
19	Re: Outcome-based comparison of SMFM and ISUOG definitions of fetal growth restriction. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021 , 58, 493-494	5.8	o
18	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	5.8	
17	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	5.8	
16	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	5.8	
15	OP09.07: TTTS1 protocol: a cluster randomized controlled trial comparing a conservative management and primary laser surgery in stage 1 TTTS. <i>Ultrasound in Obstetrics and Gynecology</i> , 2009 , 34, 90-90	5.8	
14	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	5.8	
13	OP10.14: Laser therapy of twin-twin transfusion syndrome in triplet pregnancies. <i>Ultrasound in Obstetrics and Gynecology</i> , 2007 , 30, 490-490	5.8	
12	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	5.8	
11	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	5.8	
10	P42.08: Laser therapy for severe TTTS: Comparison between triplets and twins. <i>Ultrasound in Obstetrics and Gynecology</i> , 2008 , 32, 455-455	5.8	
9	OC24.05: The proportion of umbilical blood shunting through the ductus venosus in nonhuman primate fetuses. <i>Ultrasound in Obstetrics and Gynecology</i> , 2005 , 26, 348-348	5.8	
8	OC30.08: Stage-related outcome in severe mid-trimester twin-twin transfusion syndrome treated by fetoscopic laser coagulation. <i>Ultrasound in Obstetrics and Gynecology</i> , 2005 , 26, 360-360	5.8	
7	OC33.10: Glucose influx rate of fetal organs during acute hypoxia measured by positron emission tomography (PET): the pilot study. <i>Ultrasound in Obstetrics and Gynecology</i> , 2005 , 26, 368-368	5.8	
6	OC36.01: BOLD magnetic resonance imaging during fetal hypoxia. <i>Ultrasound in Obstetrics and Gynecology</i> , 2005 , 26, 371-371	5.8	

- 5 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 5.8
- 4 Twin-Twin Transfusion Syndrome **2021**, 231-246
- 3 Mehrlingsschwangerschaft **2018**, 567-591
- 2 Intrauterine surgery: how far we have come in 30 years. *Ultrasound in Obstetrics and Gynecology*, **2021**, 57, 22-24 5.8
- 1 Perinatal and 2-year neurodevelopmental outcome in late preterm fetal compromise: the TRUFFLE 2 randomised trial protocol.. *BMJ Open*, **2022**, 12, e055543 3