Curtis L Lowery

List of Publications by Year
in descending order

72	2,115	249298 26	286692 43
papers	citations	h-index	g-index

72	72	72	1764
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High-risk obstetrical call center vs. healthcare providers: is there consistency in advice given?. Journal of Maternal-Fetal and Neonatal Medicine, 2022, 35, 1445-1450.	0.7	0
2	Novel uterine contraction monitoring to enable remote, self-administered nonstress testing. American Journal of Obstetrics and Gynecology, 2022, 226, 554.e1-554.e12.	0.7	9
3	Tracking evoked responses to auditory and visual stimuli in fetuses exposed to maternal highâ€risk conditions. Developmental Psychobiology, 2021, 63, 5-15.	0.9	1
4	Evaluation of a telemedicine program managing high-risk pregnant women with pre-existing diabetes in Arkansas's Medicaid program. Seminars in Perinatology, 2021, 45, 151421.	1.1	4
5	Ideal telestroke time targets: Telestroke-based treatment times in the United States stroke belt. Journal of Telemedicine and Telecare, 2020, 26, 174-179.	1.4	9
6	Validation of Newly Developed Surveys to Evaluate Patients' and Providers' Satisfaction with Telehealth Obstetric Services. Telemedicine Journal and E-Health, 2020, 26, 879-888.	1.6	26
7	Improving perinatal regionalization: 10 years of experience with an Arkansas initiative. Journal of Perinatology, 2020, 40, 1609-1616.	0.9	1
8	Implementation of a statewide, multisite fetal tele-echocardiography program: evaluation of more than 1100 fetuses over 9 years. Journal of Perinatology, 2020, 40, 1524-1530.	0.9	4
9	What Is Digital Health and What Do I Need to Know About It?. Obstetrics and Gynecology Clinics of North America, 2020, 47, 215-225.	0.7	19
10	Using mHealth in postpartum women with preâ€eclampsia: Lessons learned from a qualitative study. International Journal of Gynecology and Obstetrics, 2020, 149, 339-346.	1.0	7
11	Recording and quantifying fetal magnetocardiography signals using a flexible array of optically-pumped magnetometers. Physiological Measurement, 2020, 41, 125003.	1.2	13
12	Intro to Telemedicine and Connected Health in Obstetrics and Gynecology. Obstetrics and Gynecology Clinics of North America, 2020, 47, xv-xvi.	0.7	0
13	Magnetocardiographic identification of prolonged fetal corrected QT interval in women receiving treatment for opioid use disorder. Journal of Obstetrics and Gynaecology Research, 2019, 45, 1989-1996.	0.6	4
14	Association of State Medicaid Expansion Status With Low Birth Weight and Preterm Birth. JAMA - Journal of the American Medical Association, 2019, 321, 1598.	3.8	93
15	Relationship Between Fetal Behavioral States and Auditory and Visual Stimulation. , 2019, , .		0
16	Teleultrasound for preâ€natal diagnosis: A validation study. Australasian Journal of Ultrasound in Medicine, 2019, 22, 248-252.	0.3	4
17	Women on Hormone Therapy with Ischemic Stroke, Effects on Deficits and Recovery. , 2019, 1, 1-7.		0
18	High-risk obstetrical call center: a model for regions with limited access to care. Journal of Maternal-Fetal and Neonatal Medicine, 2018, 31, 857-865.	0.7	5

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19	Fetal assessment in buprenorphineâ€maintained women using fetal magnetoencephalography: a pilot study. Addiction, 2018, 113, 1895-1904.	1.7	4
20	Fetal magnetocardiography using optically pumped magnetometers: a more adaptable and less expensive alternative?. Prenatal Diagnosis, 2017, 37, 193-196.	1.1	27
21	Teleultrasound: How Accurate Are We?. Journal of Ultrasound in Medicine, 2017, 36, 2329-2335.	0.8	15
22	Sustaining and Expanding Telehealth: A Survey of Business Models from Selected Prominent U.S. Telehealth Centers. Telemedicine Journal and E-Health, 2017, 23, 137-142.	1.6	7
23	Exploring Implementation of m-Health Monitoring in Postpartum Women with Hypertension. Telemedicine Journal and E-Health, 2017, 23, 833-841.	1.6	60
24	Comparing the performance of a new disposable pneumatic tocodynamometer with a standard tocodynamometer. Acta Obstetricia Et Gynecologica Scandinavica, 2016, 95, 319-328.	1.3	2
25	Discrepancy in Insulin Regulation between Gestational Diabetes Mellitus (GDM) Platelets and Placenta. Journal of Biological Chemistry, 2016, 291, 9657-9665.	1.6	12
26	Application of a Telecolposcopy Program in Rural Settings. Telemedicine Journal and E-Health, 2016, 22, 816-820.	1.6	14
27	Observations of fetal brain activity via nonâ€invasive magnetoencephalography following administration of magnesium sulfate for neuroprotection in preterm labor. Prenatal Diagnosis, 2016, 36, 982-984.	1.1	2
28	Childhood Respiratory Morbidity after Late Preterm and Early Term Delivery: a Study of Medicaid Patients in <scp>S</scp>outh <scp>C</scp>arolina. Paediatric and Perinatal Epidemiology, 2016, 30, 67-75.	0.8	18
29	Mobilizing a Statewide Network to Provide Ebola Education and Support. Telemedicine Journal and E-Health, 2016, 22, 153-158.	1.6	7
30	Optimizing appointment template and number of staff of an OB/GYN clinic â€“ micro and macro simulation analyses. BMC Health Services Research, 2015, 15, 387.	0.9	15
31	Characterizing the Propagation of Uterine Electrophysiological Signals Recorded with a Multi-Sensor Abdominal Array in Term Pregnancies. PLoS ONE, 2015, 10, e0140894.	1.1	23
32	Tracking the Changes in Synchrony of the Electrophysiological Activity as the Uterus Approaches Labor Using Magnetomyographic Technique. Reproductive Sciences, 2015, 22, 595-601.	1.1	30
33	GDM-associated insulin deficiency hinders the dissociation of SERT from ERp44 and down-regulates placental 5-HT uptake. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5697-705.	3.3	35
34	Distributing Medical Expertise: The Evolution And Impact Of Telemedicine In Arkansas. Health Affairs, 2014, 33, 235-243.	2.5	43
35	Quantification of fetal magnetoencephalographic activity in low-risk fetuses using burst duration and interburst interval. Clinical Neurophysiology, 2014, 125, 1353-1359.	0.7	5
36	Maternal pregravid obesity changes gene expression profiles toward greater inflammation and reduced insulin sensitivity in umbilical cord. Pediatric Research, 2014, 76, 202-210.	1.1	28

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37	Sensitivity to Auditory Spectral Width in the Fetus and Infant â€“ An fMEG Study. Frontiers in Human Neuroscience, 2013, 7, 917.	1.0	16
38	Use of Specialty OB Consults During High-Risk Pregnancies in a Medicaid-Covered Population. Medical Care Research and Review, 2012, 69, 699-720.	1.0	13
39	Evaluating the Effect of Hospital and Insurance Type on the Risk of 1-year Mortality of Very Low Birth Weight Infants. Medical Care, 2012, 50, 353-360.	1.1	4
40	Habituation of visual evoked responses in neonates and fetuses: A MEG study. Developmental Cognitive Neuroscience, 2012, 2, 303-316.	1.9	35
41	Evolving trends in maternal fetal medicine referrals in a rural state using telemedicine. Archives of Gynecology and Obstetrics, 2012, 286, 1383-1392.	0.8	15
42	Spectral power differences in the brain activity of growth-restricted and normal fetuses. Early Human Development, 2012, 88, 451-454.	0.8	8
43	Correlation between fetal brain activity patterns and behavioral states: An exploratory fetal magnetoencephalography study. Experimental Neurology, 2011, 228, 200-205.	2.0	20
44	The Use of Telemedicine in Obstetrics: A Review of the Literature. Obstetrical and Gynecological Survey, 2011, 66, 170-178.	0.2	55
45	Improving Perinatal Regionalization for Preterm Deliveries in a Medicaid Covered Population: Initial Impact of the Arkansas ANGELS Intervention. Health Services Research, 2011, 46, 1082-1103.	1.0	23
46	Late Preterm Infants: Birth Outcomes and Health Care Utilization in the First Year. Pediatrics, 2010, 126, e311-e319.	1.0	118
47	Issues and Biases in Matching Medicaid Pregnancy Episodes to Vital Records Data: The Arkansas Experience. Maternal and Child Health Journal, 2009, 13, 250-259.	0.7	19
48	Fetal Neurological Assessment Using Noninvasive Magnetoencephalography. Clinics in Perinatology, 2009, 36, 701-709.	0.8	11
49	Delayed maturation of auditory-evoked responses in growth-restricted fetuses revealed by magnetoencephalographic recordings. American Journal of Obstetrics and Gynecology, 2008, 199, 503.e1-503.e7.	0.7	28
50	Integrated Approach for Fetal QRS Detection. IEEE Transactions on Biomedical Engineering, 2008, 55, 2190-2197.	2.5	43
51	Assessing Cardiac and Neurological Maturation During the Intrauterine Period. Seminars in Perinatology, 2008, 32, 263-268.	1.1	10
52	Non-invasive detection and identification of brain activity patterns in the developing fetus. Clinical Neurophysiology, 2007, 118, 1940-1946.	0.7	32
53	Serial magnetoencephalographic study of fetal and newborn auditory discriminative evoked responses. Early Human Development, 2007, 83, 199-207.	0.8	103
54	Neurodevelopmental Changes of Fetal Pain. Seminars in Perinatology, 2007, 31, 275-282.	1.1	126

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55	ANGELS and University of Arkansas for Medical Sciences paradigm for distant obstetrical care delivery. American Journal of Obstetrics and Gynecology, 2007, 196, 534.e1-534.e9.	0.7	54
56	Early maturation of sinus rhythm dynamics in high-risk fetuses. American Journal of Obstetrics and Gynecology, 2007, 196, 572.e1-572.e7.	0.7	15
57	Magnetoencephalography in healthy neonates. Clinical Neurophysiology, 2006, 117, 289-294.	0.7	15
58	Fetal magnetoencephalography. Seminars in Fetal and Neonatal Medicine, 2006, 11, 430-436.	1.1	32
59	Fetal magnetoencephalographyâ€"a multimodal approach. Developmental Brain Research, 2005, 154, 57-62.	2.1	36
60	Development of auditory evoked fields in human fetuses and newborns: A longitudinal MEG study. Clinical Neurophysiology, 2005, 116, 1949-1955.	0.7	87
61	Sound frequency change detection in fetuses and newborns, a magnetoencephalographic study. NeuroImage, 2005, 28, 354-361.	2.1	184
62	Fetal Magnetoencephalography: Viewing the Developing Brain In Utero. International Review of Neurobiology, 2005, 68, 1-23.	0.9	24
63	Fetal MEG Redistribution by Projection Operators. IEEE Transactions on Biomedical Engineering, 2004, 51, 1207-1218.	2.5	75
64	A simple wavelet-based test for evoked responses. Journal of Neuroscience Methods, 2004, 138, 157-164.	1.3	4
65	Functional development of the visual system in human fetus using magnetoencephalography. Experimental Neurology, 2004, 190, 52-58.	2.0	53
66	Fetal magnetoencephalography: current progress and trends. Experimental Neurology, 2004, 190, 28-36.	2.0	66
67	Noninvasive antepartum recording of fetal S-T segment with a newly developed 151-channel magnetic sensor system. American Journal of Obstetrics and Gynecology, 2003, 188, 1491-1497.	0.7	41
68	Magnetoencephalographic recordings of visual evoked brain activity in the human fetus. Lancet, The, 2002, 360, 779-780.	6.3	86
69	Short-term serial magnetoencephalography recordings offetal auditory evoked responses. Neuroscience Letters, 2002, 331, 128-132.	1.0	70
70	TESTING FOR NONLINEARITY OF THE CONTRACTION SEGMENTS IN UTERINE ELECTROMYOGRAPHY. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2000, 10, 2785-2790.	0.7	17
71	Challenges of recording human fetal auditory-evoked response using magnetoencephalography. The Journal of Maternal-fetal Medicine, 2000, 9, 303-307.	0.2	29
72	Challenges of Recording Human Fetal Auditory* Evoked Response Using Magnetoencephalography. Journal of Maternal-Fetal and Neonatal Medicine, 2000, 9, 303-307.	0.7	2