Robert E Garfield

List of Publications by Year
in descending order

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50 papers	3,450 citations	168829 31 h-index	232693 48 g-index
50 all docs	50 docs citations	50 times ranked	1287 citing authors

#	Article	IF	Citations
1	Review and Study of Uterine Bioelectrical Waveforms and Vector Analysis to Identify Electrical and Mechanosensitive Transduction Control Mechanisms During Labor in Pregnant Patients. Reproductive Sciences, 2021, 28, 838-856.	1.1	10
2	A study of uterine inertia on the spontaneous of labor using uterine electromyography. Taiwanese Journal of Obstetrics and Gynecology, 2021, 60, 449-453.	0.5	7
3	Monitoring the onset and progress of labor with electromyography in pregnant women. Current Opinion in Physiology, 2020, 13, 94-101.	0.9	6
4	Nicotine protects fetus against LPS-induced fetal growth restriction through ameliorating placental inflammation and vascular development in late pregnancy in rats*. Bioscience Reports, 2019, 39, .	1.1	14
5	Measurement of Uterine and Abdominal Muscle Electromyography in Pregnant Women for Estimation of Expulsive Activities during the 2nd Stage of Labor. Gynecologic and Obstetric Investigation, 2019, 84, 555-561.	0.7	2
6	Choline Supplementation During Pregnancy Protects Against Gestational Lipopolysaccharide-Induced Inflammatory Responses. Reproductive Sciences, 2018, 25, 74-85.	1.1	34
7	Uterine and Abdominal Muscle Electromyographic Activities in Control and PCEA-Treated Nulliparous Women During the Second Stage of Labor. Reproductive Sciences, 2017, 24, 1214-1220.	1.1	9
8	Optimal routes of administration, vehicles and timing of progesterone treatment for inhibition of delivery during pregnancy. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2017, 216, 164-168.	0.5	2
9	Simultaneous Recording and Analysis of Uterine and Abdominal Muscle Electromyographic Activity in Nulliparous Women During Labor. Reproductive Sciences, 2017, 24, 471-477.	1.1	17
10	Uterine electromyography during active phase compared with latent phase of labor at term. Acta Obstetricia Et Gynecologica Scandinavica, 2016, 95, 197-202.	1.3	17
11	Changes in ectocervical surface area in women throughout pregnancy compared to non-pregnant and postpartum states. Journal of Maternal-Fetal and Neonatal Medicine, 2016, 29, 3677-3681.	0.7	3
12	Nicotine inhibits LPS-induced cytokine production and leukocyte infiltration in rat placenta. Placenta, 2016, 39, 77-83.	0.7	19
13	Effects of Patient-Controlled Epidural Analgesia on Uterine Electromyography During Spontaneous Onset of Labor in Term Nulliparous Women. Reproductive Sciences, 2015, 22, 1350-1357.	1.1	20
14	Use of uterine electromyography to diagnose term and preterm labor. Acta Obstetricia Et Gynecologica Scandinavica, 2011, 90, 150-157.	1.3	87
15	Noninvasive uterine electromyography for prediction of preterm delivery. American Journal of Obstetrics and Gynecology, 2011, 204, 228.e1-228.e10.	0.7	149
16	Physiology and electrical activity of uterine contractions. Seminars in Cell and Developmental Biology, 2007, 18, 289-295.	2.3	175
17	Identification of Human Term and Preterm Labor using Artificial Neural Networks on Uterine Electromyography Data. Annals of Biomedical Engineering, 2007, 35, 465-473.	1.3	109
18	Structural and functional comparison of mast cells in the pregnant versus nonpregnant human uterus. American Journal of Obstetrics and Gynecology, 2006, 194, 261-267.	0.7	61

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19	Comparing uterine electromyography activity of antepartum patients versus term labor patients. American Journal of Obstetrics and Gynecology, 2005, 193, 23-29.	0.7	93
20	Use of uterine EMG and cervical LIF in monitoring pregnant patients. BJOG: an International Journal of Obstetrics and Gynaecology, 2005, 112, 103-108.	1.1	42
21	Uterine Electromyography Characteristics for Early Diagnosis of Mifepristone-Induced Preterm Labor. Obstetrics and Gynecology, 2005, 105, 822-830.	1.2	40
22	Non-invasive transabdominal uterine electromyography correlates with the strength of intrauterine pressure and is predictive of labor and delivery. Journal of Maternal-Fetal and Neonatal Medicine, 2004, 15, 297-301.	0.7	89
23	Predicting term and preterm delivery with transabdominal uterine electromyography. Obstetrics and Gynecology, 2003, 101, 1254-1260.	1.2	126
24	THE FORCES OF LABOUR. Fetal and Maternal Medicine Review, 2003, 14, 273-307.	0.3	23
25	Predicting Term and Preterm Delivery With Transabdominal Uterine Electromyography. Obstetrics and Gynecology, 2003, 101, 1254-1260.	1.2	98
26	Gender differences in contractile and relaxing responses of aortic rings from lipopolysaccharide-treated rats. Gynecological Endocrinology, 2002, 16, 225-233.	0.7	2
27	Uterine electromyography and light-induced fluorescence in the management of term and preterm labor. Journal of the Society for Gynecologic Investigation, 2002, 9, 265-275.	1.9	37
28	Gender differences in contractile and relaxing responses of aortic rings from lipopolysaccharide-treated rats. Gynecological Endocrinology, 2002, 16, 225-233.	0.7	0
29	Methods and Devices for the Management of Term and Preterm Labor. Annals of the New York Academy of Sciences, 2001, 943, 203-224.	1.8	49
30	Citrulline does not relax isolated rat and rabbit vessels. British Journal of Pharmacology, 2000, 130, 713-716.	2.7	12
31	Uterine activity during pregnancy and labor assessed by simultaneous recordings from the myometrium and abdominal surface in the rat. American Journal of Obstetrics and Gynecology, 1998, 178, 811-822.	0.7	97
32	Control and assessment of the uterus and cervix during pregnancy and labour. Human Reproduction Update, 1998, 4, 673-695.	5.2	184
33	Nitric oxide as the final metabolic mediator of cervical ripening. Human Reproduction, 1998, 13, 245-248.	0.4	97
34	Electrical activity of the human uterus during pregnancy as recorded from the abdominal surface. Obstetrics and Gynecology, 1997, 90, 102-111.	1.2	145
35	Voltage-clamp studies of gap junctions between uterine muscle cells during term and preterm labor. Biophysical Journal, 1996, 71, 1324-1334.	0.2	65
36	Uterine contractility as assessed by abdominal surface recording of electromyographic activity in rats during pregnancy. American Journal of Obstetrics and Gynecology, 1996, 174, 744-753.	0.7	69

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37	Immunocytochemical analysis of the expression of gap junction protein connexin 43 in the rat ovary. Molecular Reproduction and Development, 1995, 41, 331-338.	1.0	56
38	Improved propagation in myometrium associated with gap junctions during parturition. American Journal of Physiology - Cell Physiology, 1989, 256, C130-C141.	2.1	123
39	A functional and structural study of the innervation of the human uterus. American Journal of Obstetrics and Gynecology, 1989, 160, 218-228.	0.7	76
40	Mechanical Responses of the Rat Uterus, Cervix, and Bladder to Stimulation of Hypogastric and Pelvic Nerves in Vivo1. Biology of Reproduction, 1989, 40, 209-219.	1.2	64
41	Control of myometrial contractility: role and regulation of gap junctions. Oxford Reviews of Reproductive Biology, 1988, 10, 436-90.	0.4	70
42	Effects of the antiprogesterone RU 486 on preterm birth in the rat. American Journal of Obstetrics and Gynecology, 1987, 157, 1281-1285.	0.7	85
43	Gap junctions and direct intercellular communication between rat uterine smooth muscle cells. American Journal of Physiology - Cell Physiology, 1985, 249, C20-C31.	2.1	96
44	Changes in Hormone Levels and Gap Junctions in the Rat Uterus During Pregnancy and Parturition. Biology of Reproduction, 1982, 27, 967-975.	1.2	130
45	Endocrine, structural, and functional changes in the uterus during premature labor. American Journal of Obstetrics and Gynecology, 1982, 142, 21-27.	0.7	82
46	Appearance of gap junctions in the myometrium of women during labor. American Journal of Obstetrics and Gynecology, 1981, 140, 254-260.	0.7	159
47	Gap junction formation and regulation in myometrium. American Journal of Physiology - Cell Physiology, 1980, 239, C217-C228.	2.1	106
48	Gap junctions: their presence and necessity in myometrium during parturition. Science, 1977, 198, 958-960.	6.0	324
49	The Structural Basis of Electrical Coupling (Cell-to-Cell Contacts) in Rat Myometrium. Gynecologic and Obstetric Investigation, 1974, 5, 284-300.	0.7	19
50	Nitric oxide inhibits uterine contractility during pregnancy but not during delivery. , 0, .		51