

# Francesca Maria Russo

## List of Publications by Year in descending order

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62  
papers

1,555  
citations

393982

19  
h-index

344852

36  
g-index

66  
all docs

66  
docs citations

66  
times ranked

1159  
citing authors

#	ARTICLE	IF	CITATIONS
1	Randomized Trial of Fetal Surgery for Severe Left Diaphragmatic Hernia. <i>New England Journal of Medicine</i> , 2021, 385, 107-118.	13.9	197
2	Fetoscopic versus Open Repair for Spina Bifida Aperta: A Systematic Review of Outcomes. <i>Fetal Diagnosis and Therapy</i> , 2016, 39, 161-171.	0.6	153
3	Fetal Tracheal Occlusion for Severe Pulmonary Hypoplasia in Isolated Congenital Diaphragmatic Hernia. <i>Annals of Surgery</i> , 2016, 264, 929-933.	2.1	94
4	Proposal for standardized prenatal ultrasound assessment of the fetus with congenital diaphragmatic hernia by the <scp>European</scp> reference network on rare inherited and congenital anomalies (ERNICA). <i>Prenatal Diagnosis</i> , 2018, 38, 629-637.	1.1	73
5	Lung size and liver herniation predict need for extracorporeal membrane oxygenation but not pulmonary hypertension in isolated congenital diaphragmatic hernia: systematic review and meta-analysis. <i>Ultrasound in Obstetrics and Gynecology</i> , 2017, 49, 704-713.	0.9	69
6	Fetoscopic endoluminal tracheal occlusion and reestablishment of fetal airways for congenital diaphragmatic hernia. <i>Gynecological Surgery</i> , 2018, 15, 9.	0.9	67
7	Placenta previa: distance to internal os and mode of delivery. <i>American Journal of Obstetrics and Gynecology</i> , 2009, 201, 266.e1-266.e5.	0.7	62
8	Prenatal diagnosis, imaging, and prognosis in Congenital Diaphragmatic Hernia. <i>Seminars in Perinatology</i> , 2020, 44, 511-63.	1.1	62
9	Transplacental sildenafil rescues lung abnormalities in the rabbit model of diaphragmatic hernia. <i>Thorax</i> , 2016, 71, 517-525.	2.7	52
10	Learning curves of open and endoscopic fetal spina bifida closure: systematic review and meta-analysis. <i>Ultrasound in Obstetrics and Gynecology</i> , 2020, 55, 730-739.	0.9	50
11	Stillbirths in singletons, dichorionic and monochorionic twins: a comparison of risks and causes. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2013, 170, 131-136.	0.5	45
12	Current and future antenatal management of isolated congenital diaphragmatic hernia. <i>Seminars in Fetal and Neonatal Medicine</i> , 2017, 22, 383-390.	1.1	40
13	Comparative analysis of multilineage properties of mesenchymal stromal cells derived from fetal sources shows an advantage of mesenchymal stromal cells isolated from cord blood in chondrogenic differentiation potential. <i>Cytotherapy</i> , 2014, 16, 893-905.	0.3	35
14	Prenatal diagnosis and management of congenital diaphragmatic hernia. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2019, 58, 93-106.	1.4	35
15	The use of human amniotic fluid stem cells as an adjunct to promote pulmonary development in a rabbit model for congenital diaphragmatic hernia. <i>Prenatal Diagnosis</i> , 2015, 35, 833-840.	1.1	29
16	Fetal endoscopic tracheal occlusion reverses the natural history of right-sided congenital diaphragmatic hernia: European multicenter experience. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021, 57, 378-385.	0.9	28
17	Medical interventions to reverse pulmonary hypoplasia in the animal model of congenital diaphragmatic hernia: A systematic review. <i>Pediatric Pulmonology</i> , 2015, 50, 820-838.	1.0	27
18	Antenatal sildenafil administration to prevent pulmonary hypertension in congenital diaphragmatic hernia (SToP-PH): study protocol for a phase I/IIb placenta transfer and safety study. <i>Trials</i> , 2018, 19, 524.	0.7	27

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19	The randomized Tracheal Occlusion To Accelerate Lung growth (TOTAL)-trials on fetal surgery for congenital diaphragmatic hernia: reanalysis using pooled data. <i>American Journal of Obstetrics and Gynecology</i> , 2022, 226, 560.e1-560.e24.	0.7	26
20	Sildenafil crosses the placenta at therapeutic levels in a dually perfused human cotyledon model. <i>American Journal of Obstetrics and Gynecology</i> , 2018, 219, 619.e1-619.e10.	0.7	22
21	Safety and efficacy of smart tracheal occlusion device in diaphragmatic hernia lamb model. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021, 57, 105-112.	0.9	20
22	Sildenafil for Antenatal Treatment of Congenital Diaphragmatic Hernia: From Bench to Bedside. <i>Current Pharmaceutical Design</i> , 2019, 25, 601-608.	0.9	20
23	Antenatal sildenafil treatment improves neonatal pulmonary hemodynamics and gas exchange in lambs with diaphragmatic hernia. <i>Ultrasound in Obstetrics and Gynecology</i> , 2019, 54, 506-516.	0.9	18
24	MicroRNA 200b is upregulated in the lungs of fetal rabbits with surgically induced diaphragmatic hernia. <i>Prenatal Diagnosis</i> , 2018, 38, 645-653.	1.1	16
25	Medical and Regenerative Solutions for Congenital Diaphragmatic Hernia: A Perinatal Perspective. <i>European Journal of Pediatric Surgery</i> , 2014, 24, 270-277.	0.7	15
26	Influence of weight gain, according to Institute of Medicine 2009 recommendation, on spontaneous preterm delivery in twin pregnancies. <i>BMC Pregnancy and Childbirth</i> , 2018, 18, 6.	0.9	15
27	Antenatal Medical Therapies to Improve Lung Development in Congenital Diaphragmatic Hernia. <i>American Journal of Perinatology</i> , 2018, 35, 823-836.	0.6	13
28	Antenatal therapy with sildenafil: don't throw the baby out with the bathwater. <i>Ultrasound in Obstetrics and Gynecology</i> , 2019, 53, 274-275.	0.9	13
29	New device permitting noninvasive reversal of fetal endoscopic tracheal occlusion: ex vivo and in vivo study. <i>Ultrasound in Obstetrics and Gynecology</i> , 2020, 56, 522-531.	0.9	13
30	Phosphodiesterase 5 inhibitors in pregnancy: Systematic review and meta-analysis of maternal and perinatal safety and clinical outcomes. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2022, 129, 1817-1831.	1.1	13
31	The TOTAL trial dilemma: A survey among professionals on equipoise regarding fetal therapy for severe congenital diaphragmatic hernia. <i>Prenatal Diagnosis</i> , 2021, 41, 179-189.	1.1	12
32	Incidence and patterns of abnormal corpus callosum in fetuses with isolated spina bifida aperta. <i>Prenatal Diagnosis</i> , 2021, 41, 957-964.	1.1	12
33	Perinatal Complications in Twin Pregnancies after 34 Weeks: Effects of Gestational Age at Delivery and Chorionicity. <i>American Journal of Perinatology</i> , 2013, 30, 545-550.	0.6	11
34	What should we tell parents? Congenital diaphragmatic hernia. <i>Prenatal Diagnosis</i> , 2022, 42, 398-407.	1.1	11
35	Complementary Effect of Maternal Sildenafil and Fetal Tracheal Occlusion Improves Lung Development in the Rabbit Model of Congenital Diaphragmatic Hernia. <i>Annals of Surgery</i> , 2020, Publish Ahead of Print, .	2.1	11
36	Assessment of pulmonary vascular reactivity to oxygen using fractional moving blood volume in fetuses with normal lung development and pulmonary hypoplasia in congenital diaphragmatic hernia. <i>Prenatal Diagnosis</i> , 2014, 34, 977-981.	1.1	10

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37	Optimal gestational age at delivery in isolated left-sided congenital diaphragmatic hernia. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021, 57, 968-973.	0.9	10
38	Prenatal cerebellar growth is altered in congenital diaphragmatic hernia on ultrasound. <i>Prenatal Diagnosis</i> , 2022, 42, 330-337.	1.1	10
39	The Detection, Outcome, and Presentation of Twin-Twin Transfusion Syndrome in Monochorionic Diamniotic Twin Pregnancies Followed with a Protocol of Fortnightly Ultrasound Examination. <i>Fetal Diagnosis and Therapy</i> , 2021, 48, 353-360.	0.6	9
40	Intrapulmonary artery Doppler to predict mortality and morbidity in fetuses with mild or moderate left-sided congenital diaphragmatic hernia. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021, 58, 590-596.	0.9	9
41	Antenatal management of congenital diaphragmatic hernia: What's next ?. <i>Prenatal Diagnosis</i> , 2022, 42, 291-300.	1.1	9
42	Neonatal and fetal therapy of congenital diaphragmatic hernia-related pulmonary hypertension. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2022, 107, 458-466.	1.4	8
43	Fate of mesoangioblasts in a vaginal birth injury model: influence of the route of administration. <i>Scientific Reports</i> , 2018, 8, 10604.	1.6	7
44	Prenatal diagnosis of congenital diaphragmatic hernia: Parental counselling and support needs. <i>Prenatal Diagnosis</i> , 2022, 42, 387-397.	1.1	7
45	Parental counseling in trisomy 18: Novel insights in prenatal features and postnatal survival. <i>American Journal of Medical Genetics, Part A</i> , 2016, 170, 329-336.	0.7	6
46	Pregnancy affects the pharmacokinetics of sildenafil and its metabolite in the rabbit. <i>Xenobiotica</i> , 2019, 49, 98-105.	0.5	6
47	Antenatal management of congenital diaphragmatic hernia today and tomorrow. <i>Minerva Pediatrics</i> , 2018, 70, 270-280.	0.2	6
48	Pulmonary hypertension in congenital diaphragmatic hernia: Antenatal prediction and impact on neonatal mortality. <i>Prenatal Diagnosis</i> , 2022, 42, 1303-1311.	1.1	6
49	Expectant management in di-chorionic pregnancies complicated by discordant anomalous twin. <i>Journal of Perinatal Medicine</i> , 2018, 46, 721-727.	0.6	5
50	The Predictive Value of the Cervical Consistency Index to Predict Spontaneous Preterm Birth in Asymptomatic Twin Pregnancies at the Second-Trimester Ultrasound Scan: A Prospective Cohort Study. <i>Journal of Clinical Medicine</i> , 2020, 9, 1784.	1.0	5
51	Pregnancy-related pharmacokinetics and antimicrobial prophylaxis during fetal surgery, cefazolin and clindamycin as examples. <i>Prenatal Diagnosis</i> , 2020, 40, 1178-1184.	1.1	5
52	Prenatal treprostinil reduces the pulmonary hypertension phenotype in the rat model of congenital diaphragmatic hernia. <i>EBioMedicine</i> , 2022, 81, 104106.	2.7	5
53	Seasonal impact in the frequency of isolated spina bifida. <i>Prenatal Diagnosis</i> , 2013, 33, 1007-1009.	1.1	4
54	86: Synergic effect of maternal sildenafil and fetal tracheal occlusion improving pulmonary development in the rabbit model for congenital diaphragmatic hernia. <i>American Journal of Obstetrics and Gynecology</i> , 2017, 216, S62.	0.7	4

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55	Pericardio-Amniotic Shunting for Incomplete Pentalogy of Cantrell. <i>Fetal Diagnosis and Therapy</i> , 2017, 41, 152-156.	0.6	4
56	Spontaneous regression of twin anemia-polycythemia sequence presenting in first trimester. <i>Ultrasound in Obstetrics and Gynecology</i> , 2020, 55, 839-840.	0.9	4
57	Pharmacokinetics and pharmacodynamics of sildenafil in fetal lambs on extracorporeal support. <i>Biomedicine and Pharmacotherapy</i> , 2021, 143, 112161.	2.5	4
58	Transplacental Transfer and Fetal Pharmacodynamics of Sildenafil in the Pregnant Sheep Model. <i>Fetal Diagnosis and Therapy</i> , 2021, 48, 411-420.	0.6	3
59	Umbilical venous diameter and flow in monochorionic diamniotic twin pregnancy: association with placental sharing and fetal demise. <i>Ultrasound in Obstetrics and Gynecology</i> , 2022, 60, 514-522.	0.9	3
60	Congenital Diaphragmatic Hernia: Pathophysiology and Antenatal Assessment. , 2019, , 494-502.		0
61	Reply. <i>Ultrasound in Obstetrics and Gynecology</i> , 2020, 56, 634-635.	0.9	0
62	Are there differences between monochorionic twin placentas after spontaneous and assisted conception?. <i>Placenta</i> , 2022, 126, 171-174.	0.7	0