

# Nicole Ochsenbein-KÄjble

## List of Publications by Year in descending order

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78  
papers

1,722  
citations

249298

26  
h-index

371746

37  
g-index

90  
all docs

90  
docs citations

90  
times ranked

2295  
citing authors

#	ARTICLE	IF	CITATIONS
1	M-Sign in Middle Cerebral Artery Doppler Waveforms: A Sign of Fetal Vasoconstriction Before and After Open Fetal Spina Bifida Repair. <i>Ultraschall in Der Medizin</i> , 2023, 44, 68-74.	0.8	1
2	Second systolic peak in fetal middle cerebral artery Doppler after intrauterine transfusion. <i>Archives of Gynecology and Obstetrics</i> , 2023, 307, 241-248.	0.8	1
3	Determination of Anatomical Levels in Spina Bifida Fetuses with Ultrasound and MRI. <i>Ultraschall in Der Medizin</i> , 2022, 43, 181-185.	0.8	1
4	Magnetically Assisted Robotic Fetal Surgery for the Treatment of Spina Bifida. <i>IEEE Transactions on Medical Robotics and Bionics</i> , 2022, 4, 85-93.	2.1	11
5	Biomaterial-based treatments for the prevention of preterm birth after iatrogenic rupture of the fetal membranes. <i>Biomaterials Science</i> , 2022, 10, 3695-3715.	2.6	5
6	Screening, Management and Delivery in Twin Pregnancy. <i>Ultraschall in Der Medizin</i> , 2021, 42, 367-378.	0.8	16
7	Systematic classification of maternal and fetal intervention-related complications following open fetal myelomeningocele repair—Results from a large prospective cohort. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2021, 128, 1184-1191.	1.1	20
8	Fetal surgery for spina bifida in Zurich: results from 150 cases. <i>Pediatric Surgery International</i> , 2021, 37, 311-316.	0.6	17
9	Twin pregnancies. <i>Ultraschall in Der Medizin</i> , 2021, 42, 246-269.	0.8	3
10	Association of uterine activity and maternal volatile anesthetic exposure during open fetal surgery for spina bifida: a retrospective analysis. <i>International Journal of Obstetric Anesthesia</i> , 2021, 46, 1029-74.	0.2	2
11	Emerging magnetic resonance imaging techniques in open spina bifida in utero. <i>European Radiology Experimental</i> , 2021, 5, 23.	1.7	5
12	Comprehensive quantitative characterization of the human term amnion proteome. <i>Matrix Biology Plus</i> , 2021, 12, 100084.	1.9	5
13	Minimally Invasive Precise Application of Bioadhesives to Prevent IPPROM on a Pregnant Sheep Model. <i>Fetal Diagnosis and Therapy</i> , 2021, 48, 785-793.	0.6	4
14	Outcome after fetoscopic laser coagulation in twin—twin transfusion syndrome—is the survival rate of at least one child at 6 months of age dependent on preoperative cervical length and preterm prelabour rupture of fetal membranes?. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2020, 33, 852-860.	0.7	15
15	Prenatal Sonographic Head Circumference and Cerebral Ventricle Width Measurements Before and After Open Fetal Myelomeningocele Repair—Prediction of Shunting During the First Year of Life. <i>Ultraschall in Der Medizin</i> , 2020, 41, 544-549.	0.8	12
16	Risk Factors for Preterm Birth following Open Fetal Myelomeningocele Repair: Results from a Prospective Cohort. <i>Fetal Diagnosis and Therapy</i> , 2020, 47, 15-23.	0.6	12
17	Benchmarking against the MOMS Trial: Zurich Results of Open Fetal Surgery for Spina Bifida. <i>Fetal Diagnosis and Therapy</i> , 2020, 47, 91-97.	0.6	41
18	Influence of osmolarity and hydration on the tear resistance of the human amniotic membrane. <i>Journal of Biomechanics</i> , 2020, 98, 109419.	0.9	6

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19	Bioengineering and in utero transplantation of fetal skin in the sheep model: A crucial step towards clinical application in human fetal spina bifida repair. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 58-65.	1.3	11
20	In utero Hepatitis B Immunization during Fetal Surgery for Spina Bifida. <i>Fetal Diagnosis and Therapy</i> , 2020, 47, 328-332.	0.6	6
21	Open Intrauterine Fetal Myelomeningocele Repair: Changes in the Surgical Procedure and Perinatal Complications during the First 8 Years of Experience at a Single Center. <i>Fetal Diagnosis and Therapy</i> , 2020, 47, 485-490.	0.6	6
22	Long-Term Outcome of Monochorionic Twins after Fetoscopic Laser Therapy Compared to Matched Dichorionic Twins. <i>Fetal Diagnosis and Therapy</i> , 2020, 47, 947-954.	0.6	4
23	Hindbrain Herniation and Banana and Lemon Sign After Open Fetal Myelomeningocele Repair – When Do These Signs Disappear and is Shunting Predictable?. <i>Ultraschall in Der Medizin</i> , 2020, 42, 514-519.	0.8	2
24	Genome-wide non-invasive prenatal testing in single- and multiple-pregnancies at any risk: Identification of maternal polymorphisms to reduce the number of unnecessary invasive confirmation testing. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2020, 252, 19-29.	0.5	7
25	COVID-19 in pregnant women. <i>Lancet Infectious Diseases</i> , The, 2020, 20, 653.	4.6	37
26	Clinical and Histologic Evaluation of the Hysterotomy Site and Fetal Membranes after Open Fetal Surgery for Fetal Spina Bifida Repair. <i>Fetal Diagnosis and Therapy</i> , 2019, 45, 248-255.	0.6	8
27	Minimally Invasive Surgical Device for Precise Application of Bioadhesives to Prevent iPPROM. <i>Fetal Diagnosis and Therapy</i> , 2019, 45, 102-110.	0.6	19
28	On the defect tolerance of fetal membranes. <i>Interface Focus</i> , 2019, 9, 20190010.	1.5	18
29	Open Spina Bifida: Why Not Fetal Surgery?. <i>Fetal Diagnosis and Therapy</i> , 2019, 45, 430-434.	0.6	9
30	Maternal Complications following Open Fetal Myelomeningocele Repair at the Zurich Center for Fetal Diagnosis and Therapy. <i>Fetal Diagnosis and Therapy</i> , 2019, 46, 153-158.	0.6	20
31	Longitudinal Analysis of Fetal MRI in Patients with Prenatal Spina Bifida Repair. <i>Lecture Notes in Computer Science</i> , 2019, , 161-170.	1.0	7
32	The effect of pregnancy on endometriosis – facts or fiction?. <i>Human Reproduction Update</i> , 2018, 24, 290-299.	5.2	55
33	Microvascular perfusion of the placenta, developing fetal liver, and lungs assessed with intravoxel incoherent motion imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 214-225.	1.9	27
34	In utero Plastic Surgery in Zurich: Successful Use of Distally Pedicled Random Pattern Transposition Flaps for Definitive Skin Closure during Open Fetal Spina Bifida Repair. <i>Fetal Diagnosis and Therapy</i> , 2018, 44, 173-178.	0.6	17
35	Tocolysis for in utero Surgery: Atosiban Performs Distinctly Better than Magnesium Sulfate. <i>Fetal Diagnosis and Therapy</i> , 2018, 44, 59-64.	0.6	31
36	Impact factors on fetal descent rates in the active phase of labor: a retrospective cohort study. <i>Journal of Perinatal Medicine</i> , 2018, 46, 579-585.	0.6	10

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37	Congenital Lung Lesion: Prenatal Course, Therapy and Predictors of Perinatal Outcome. <i>Ultraschall in Der Medizin</i> , 2017, 38, 158-165.	0.8	15
38	Fetal Cholelithiasis: Antenatal Diagnosis and Neonatal Follow-Up in a Case of Twin Pregnancy – A Case Report and Review of the Literature. <i>Ultrasound International Open</i> , 2017, 03, E8-E12.	0.3	8
39	Negative pressure wound treatment for uterine incision necrosis following a cesarean section. <i>Case Reports in Perinatal Medicine</i> , 2016, 5, 105-108.	0.1	1
40	Neurodevelopmental outcome in very low birthweight infants with pathological umbilical artery flow. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2016, 101, F212-F216.	1.4	5
41	A comparative investigation of mussel-mimetic sealants for fetal membrane repair. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 58, 57-64.	1.5	23
42	<i>Wochenbett.</i> , 2016, , 1071-1078.		2
43	Mechanical and Microstructural Investigation of the Cyclic Behavior of Human Amnion. <i>Journal of Biomechanical Engineering</i> , 2015, 137, 061010.	0.6	33
44	Engineered cell instructive matrices for fetal membrane healing. <i>Acta Biomaterialia</i> , 2015, 15, 1-10.	4.1	11
45	Deformation mechanisms of human amnion: Quantitative studies based on second harmonic generation microscopy. <i>Journal of Biomechanics</i> , 2015, 48, 1606-1613.	0.9	53
46	Oxytocin Effects on Chemosensory Function in a Clinical Setting – a Preliminary Study. <i>Chemosensory Perception</i> , 2015, 8, 159-166.	0.7	1
47	Experimental tissue engineering of fetal skin. <i>Pediatric Surgery International</i> , 2014, 30, 1241-1247.	0.6	15
48	Maternal and neonatal outcome of labour induction at term comparing two regimens of misoprostol. <i>Journal of Perinatal Medicine</i> , 2014, 42, 603-609.	0.6	8
49	High-resolution chromosomal microarrays in prenatal diagnosis significantly increase diagnostic power. <i>Prenatal Diagnosis</i> , 2014, 34, 525-533.	1.1	42
50	Multiaxial mechanical behavior of human fetal membranes and its relationship to microstructure. <i>Biomechanics and Modeling in Mechanobiology</i> , 2013, 12, 747-762.	1.4	45
51	Contractions, a risk for premature rupture of fetal membranes: A new protocol with cyclic biaxial tension. <i>Medical Engineering and Physics</i> , 2013, 35, 846-851.	0.8	18
52	Premiere use of Integra, artificial skin to close an extensive fetal skin defect during open in utero repair of myelomeningocele. <i>Pediatric Surgery International</i> , 2013, 29, 1321-1326.	0.6	21
53	Second harmonic generation microscopy of fetal membranes under deformation: Normal and altered morphology. <i>Placenta</i> , 2013, 34, 1020-1026.	0.7	45
54	Liver Transplantation during Pregnancy for Acute Liver Failure due to HBV Infection: A Case Report. <i>Case Reports in Obstetrics and Gynecology</i> , 2013, 2013, 1-5.	0.2	18

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55	A Comparative Study on Culture Conditions and Routine Expansion of Amniotic Fluid-Derived Mesenchymal Progenitor Cells. <i>Fetal Diagnosis and Therapy</i> , 2013, 34, 225-235.	0.6	10
56	Determinants of successful breastfeeding initiation in healthy term singletons: a Swiss university hospital observational study. <i>Journal of Perinatal Medicine</i> , 2013, 41, 331-339.	0.6	32
57	Fetal Surgery in Zurich: Key Features of Our First Open in utero Repair of Myelomeningocele. <i>European Journal of Pediatric Surgery</i> , 2013, 23, 494-498.	0.7	17
58	Mussel-mimetic tissue adhesive for fetal membrane repair: An ex vivo evaluation. <i>Acta Biomaterialia</i> , 2012, 8, 4365-4370.	4.1	64
59	Mussel-mimetic tissue adhesive for fetal membrane repair: a standardized ex vivo evaluation using elastomeric membranes. <i>Prenatal Diagnosis</i> , 2011, 31, 654-660.	1.1	52
60	Fetal mesenchymal stem cells: isolation, properties and potential use in perinatology and regenerative medicine. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2009, 116, 166-172.	1.1	86
61	Enrichment of collagen plugs with platelets and amniotic fluid cells increases cell proliferation in sealed iatrogenic membrane defects in the foetal rabbit model. <i>Prenatal Diagnosis</i> , 2008, 28, 503-507.	1.1	31
62	Enrichment of collagen plugs with platelets and amniotic fluid cells increases cell proliferation in sealed iatrogenic membrane defects in the fetal rabbit model. <i>Prenatal Diagnosis</i> , 2008, 28, 878-880.	1.1	7
63	Cross-sectional study of weight gain and increase in BMI throughout pregnancy. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2007, 130, 180-186.	0.5	48
64	Changes in olfactory function in pregnancy and postpartum. <i>International Journal of Gynecology and Obstetrics</i> , 2007, 97, 10-14.	1.0	41
65	Manufacture of a Cell-free Amnion Matrix Scaffold that Supports Amnion Cell Outgrowth In Vitro. <i>Placenta</i> , 2007, 28, 6-13.	0.7	32
66	Enhancing sealing of fetal membrane defects using tissue engineered native amniotic scaffolds in the rabbit model. <i>American Journal of Obstetrics and Gynecology</i> , 2007, 196, 263.e1-263.e7.	0.7	37
67	Fetoscopic surgery: Encouraged by clinical experience and boosted by instrument innovation. <i>Seminars in Fetal and Neonatal Medicine</i> , 2006, 11, 398-412.	1.1	73
68	The Young's modulus of fetal preterm and term amniotic membranes. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2006, 128, 103-107.	0.5	45
69	Reference curves of symphysis-fundus height in twin pregnancies. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2006, 128, 236-242.	0.5	1
70	Enhancing sealing of fetal membrane defects using tissue engineered native amniotic scaffolds in the rabbit model. <i>American Journal of Obstetrics and Gynecology</i> , 2006, 195, S193.	0.7	3
71	Human preterm amnion cells cultured in 3-dimensional collagen I and fibrin matrices for tissue engineering purposes. <i>American Journal of Obstetrics and Gynecology</i> , 2005, 193, 1724-1732.	0.7	21
72	Changes in gustatory function during the course of pregnancy and postpartum. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2005, 112, 1636-1640.	1.1	29

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73	Cross sectional study of automated blood pressure measurements throughout pregnancy. BJOG: an International Journal of Obstetrics and Gynaecology, 2004, 111, 319-325.	1.1	45
74	In vitro lesion repair by human amnion epithelial and mesenchymal cells. American Journal of Obstetrics and Gynecology, 2004, 190, 87-92.	0.7	45
75	Cesarean Section and Simultaneous Hernia Repair. Archives of Surgery, 2004, 139, 893.	2.3	37
76	Inducing proliferation of human amnion epithelial and mesenchymal cells for prospective engineering of membrane repair. Journal of Perinatal Medicine, 2003, 31, 287-94.	0.6	37
77	Olfactory modulation of nausea during early pregnancy?. BJOG: an International Journal of Obstetrics and Gynaecology, 2002, 109, 1394-1397.	1.1	29
78	„Aqua-Fit“ in der Schwangerschaft: Maternale und fetale hämodynamische Reaktionen bei einem Trainingsprogramm im Wasser. Geburtshilfe Und Frauenheilkunde, 2001, 61, 977-982.	0.8	13