William H Peranteau

List of Publications by Year
in descending order

98 papers	2,794 citations	186254 28 h-index	197805 49 g-index
98 all docs	98 docs citations	98 times ranked	3164 citing authors

#	Article	IF	Citations
1	Amniotic fluid stabilized lipid nanoparticles for in utero intra-amniotic mRNA delivery. Journal of Controlled Release, 2022, 341, 616-633.	9.9	29
2	In Utero Gene Editing for Inherited Lung Diseases. Current Stem Cell Reports, 2022, 8, 44-52.	1.6	1
3	Molecular Mechanisms Contributing to the Etiology of Congenital Diaphragmatic Hernia: A Review and Novel Cases. Journal of Pediatrics, 2022, 246, 251-265.e2.	1.8	4
4	Delivery technologies for in utero gene therapy. Advanced Drug Delivery Reviews, 2021, 169, 51-62.	13.7	24
5	Ionizable lipid nanoparticles for in utero mRNA delivery. Science Advances, 2021, 7, .	10.3	110
6	In utero adenine base editing corrects multi-organ pathology in a lethal lysosomal storage disease. Nature Communications, 2021, 12, 4291.	12.8	32
7	In Utero Gene Therapy: Progress and Challenges. Trends in Molecular Medicine, 2021, 27, 728-730.	6.7	13
8	Prenatal Gene Therapy for Metabolic Disorders. Clinical Obstetrics and Gynecology, 2021, 64, 904-916.	1.1	1
9	Prenatal hypoxemia alters microglial morphology in fetal sheep. Journal of Thoracic and Cardiovascular Surgery, 2020, 159, 270-277.	0.8	17
10	Ex Utero Extracorporeal Support as a Model for Fetal Hypoxia and Brain Dysmaturity. Annals of Thoracic Surgery, 2020, 109, 810-819.	1.3	13
11	Inhaled Nitric Oxide Is Associated with Improved Oxygenation in a Subpopulation of Infants with Congenital Diaphragmatic Hernia and Pulmonary Hypertension. Journal of Pediatrics, 2020, 219, 167-172.	1.8	40
12	The EXTrauterine Environment for Neonatal Development Supports Normal Intestinal Maturation and Development. Cellular and Molecular Gastroenterology and Hepatology, 2020, 10, 623-637.	4.5	8
13	Mucinous Cell Clusters in Infantile Congenital Pulmonary Airway Malformations Mimic Adult Mucinous Adenocarcinoma But Are Not Associated With Poor Outcomes When Appropriately Resected. American Journal of Surgical Pathology, 2020, 44, 1118-1129.	3.7	10
14	Gene and Stem Cell Therapies for Fetal Care. JAMA Pediatrics, 2020, 174, 985.	6.2	11
15	Open Fetal Surgical Outcomes for Myelomeningocele Closure Stratified by Maternal Body Mass Index in a Large Single-Center Cohort. Fetal Diagnosis and Therapy, 2020, 47, 889-893.	1.4	3
16	Regulatory T cells promote alloengraftment in a model of late-gestation in utero hematopoietic cell transplantation. Blood Advances, 2020, 4, 1102-1114.	5.2	12
17	Fetal and Maternal Safety Considerations for In Utero Therapy Clinical Trials: iFeTiS Consensus Statement. Molecular Therapy, 2020, 28, 2316-2319.	8.2	18
18	Twoâ€™s Company: Multiple Thoracic Lesions on Prenatal US and MRI. Fetal Diagnosis and Therapy, 2020, 47, 642-652.	1.4	1

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19	Further delineation of the phenotypic spectrum of nevus comedonicus syndrome to include congenital pulmonary airway malformation of the lung and aneurysm. American Journal of Medical Genetics, Part A, 2020, 182, 746-754.	1.2	9
20	The Future of In Utero Gene Therapy. Molecular Diagnosis and Therapy, 2020, 24, 135-142.	3.8	27
21	Neurologic outcomes of the premature lamb in an extrauterine environment for neonatal development. Journal of Pediatric Surgery, 2020, 55, 2115-2123.	1.6	17
22	ATS Core Curriculum 2020. Pediatric Pulmonary Medicine. ATS Scholar, 2020, 1, 456-475.	1.3	1
23	Technical feasibility of umbilical cannulation in midgestation lambs supported by the EXTraâ€uterine Environment for Neonatal Development (EXTEND). Artificial Organs, 2019, 43, 1154-1161.	1.9	26
24	Donor cell engineering with GSK3 inhibitorâ€“loaded nanoparticles enhances engraftment after in utero transplantation. Blood, 2019, 134, 1983-1995.	1.4	13
25	Erythropoietin Prevents Anemia and Transfusions in Extremely Premature Lambs Supported by an EXTrauterine Environment for Neonatal Development (EXTEND). Fetal Diagnosis and Therapy, 2019, 46, 231-237.	1.4	11
26	Autism spectrum disorder and neurodevelopmental delays in children with giant omphalocele. Journal of Pediatric Surgery, 2019, 54, 1771-1777.	1.6	3
27	In Utero Transplantation of Expanded Autologous Amniotic Fluid Stem Cells Results in Long-Term Hematopoietic Engraftment. Stem Cells, 2019, 37, 1176-1188.	3.2	13
28	In utero gene editing for monogenic lung disease. Science Translational Medicine, 2019, 11, .	12.4	83
29	Premature Lambs Exhibit Normal Mitochondrial Respiration after Long-Term Extrauterine Support. Fetal Diagnosis and Therapy, 2019, 46, 306-312.	1.4	7
30	In Utero Gene Therapy Consensus Statement from the IFeTIS. Molecular Therapy, 2019, 27, 705-707.	8.2	32
31	The Pediatric Cell Atlas: Defining the Growth Phase of Human Development at Single-Cell Resolution. Developmental Cell, 2019, 49, 10-29.	7.0	57
32	Chronic intrauterine hypoxia alters neurodevelopment in fetal sheep. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, 1982-1991.	0.8	36
33	Use of prostaglandin E1 to treat pulmonary hypertension in congenital diaphragmatic hernia. Journal of Pediatric Surgery, 2019, 54, 55-59.	1.6	36
34	High Tumor Volume to Fetal Weight Ratio Is Associated with Worse Fetal Outcomes and Increased Maternal Risk in Fetuses with Sacrococcygeal Teratoma. Fetal Diagnosis and Therapy, 2019, 45, 94-101.	1.4	18
35	Congenital Cystic Lung Lesions. American Journal of Surgical Pathology, 2019, 43, 47-55.	3.7	43
36	In Utero Gene Therapy and Genome Editing. Current Stem Cell Reports, 2018, 4, 52-60.	1.6	5

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37	Short-Term Neurodevelopmental Outcome in Children Born With High-Risk Congenital Lung Lesions. Annals of Thoracic Surgery, 2018, 105, 1827-1834.	1.3	7
38	Rate and Risk Factors Associated with Autism Spectrum Disorder in Congenital Diaphragmatic Hernia. Journal of Autism and Developmental Disorders, 2018, 48, 2112-2121.	2.7	15
39	The influence of gestational age, mode of delivery and abdominal wall closure method on the surgical outcome of neonates with uncomplicated gastroschisis. Pediatric Surgery International, 2018, 34, 415-419.	1.4	19
40	Lung function and pulmonary artery blood flow following prenatal maternal retinoic acid and imatinib in the nitrofen model of congenital diaphragmatic hernia. Journal of Pediatric Surgery, 2018, 53, 1681-1687.	1.6	7
41	Pumpless arteriovenous extracorporeal membrane oxygenation: A novel mode of respiratory support in a lamb model of congenital diaphragmatic hernia. Journal of Pediatric Surgery, 2018, 53, 1453-1460.	1.6	11
42	Complex gastroschisis: Clinical spectrum and neonatal outcomes at a referral center. Journal of Pediatric Surgery, 2018, 53, 1904-1907.	1.6	24
43	Fetal anterior abdominal wall defects: prenatal imaging by magnetic resonance imaging. Pediatric Radiology, 2018, 48, 499-512.	2.0	23
44	Transumbilical extracorporeal laparoscopic-assisted appendectomy. Journal of Pediatric Surgery, 2018, 53, 256-259.	1.6	11
45	Prenatal growth characteristics and pre/postnatal management of bronchopulmonary sequestrations. Journal of Pediatric Surgery, 2018, 53, 265-269.	1.6	29
46	In utero CRISPR-mediated therapeutic editing of metabolic genes. Nature Medicine, 2018, 24, 1513-1518.	30.7	169
47	Intravenous and Intra-amniotic In Utero Transplantation in the Murine Model. Journal of Visualized Experiments, 2018, , .	0.3	8
48	Treprostinil Improves Persistent Pulmonary Hypertension Associated with Congenital Diaphragmatic Hernia. Journal of Pediatrics, 2018, 200, 44-49.	1.8	44
49	The rare solid fetal lung lesion with T2-hypointense components: prenatal imaging findings with postnatal pathological correlation. Pediatric Radiology, 2018, 48, 1556-1566.	2.0	12
50	Pre-Existing Maternal Antibodies Cause Rapid Prenatal Rejection of Allotransplants in the Mouse Model of In Utero Hematopoietic Cell Transplantation. Journal of Immunology, 2018, 201, 1549-1557.	0.8	10
51	Reduced oxygen concentration for the resuscitation of infants with congenital diaphragmatic hernia. Journal of Perinatology, 2018, 38, 834-843.	2.0	24
52	Fetal hypoxemia causes abnormal myocardial development in a preterm ex utero fetal ovine model. JCI Insight, 2018, 3, .	5.0	13
53	An extra-uterine system to physiologically support the extreme premature lamb. Nature Communications, 2017, 8, 15112.	12.8	240
54	Fetal stem cell and gene therapy. Seminars in Fetal and Neonatal Medicine, 2017, 22, 410-414.	2.3	37

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55	Growth trajectory and neurodevelopmental outcome in infants with congenital diaphragmatic hernia. Journal of Pediatric Surgery, 2017, 52, 1944-1948.	1.6	24
56	Acceptability of In Utero Hematopoietic Cell Transplantation for Sickle Cell Disease. Medical Decision Making, 2017, 37, 914-921.	2.4	4
57	Laparoscopic fundoplication in neonates and young infants: Failure rate and need for redo at a high-volume center. Journal of Pediatric Surgery, 2017, 52, 257-259.	1.6	8
58	Induction of Immune Tolerance to Foreign Protein via Adeno-Associated Viral Vector Gene Transfer in Mid-Gestation Fetal Sheep. PLoS ONE, 2017, 12, e0171132.	2.5	22
59	Improved pulmonary function in the nitrofen model of congenital diaphragmatic hernia following prenatal maternal dexamethasone and/or sildenafil. Pediatric Research, 2016, 80, 577-585.	2.3	29
60	Prenatal surgery for myelomeningocele. Current Opinion in Obstetrics and Gynecology, 2016, 28, 111-118.	2.0	33
61	Enhanced in utero allogeneic engraftment in mice after mobilizing fetal HSCs by Î±4Î²1/7 inhibition. Blood, 2016, 128, 2457-2461.	1.4	26
62	Younger gestational age is associated with increased risk of adverse neurodevelopmental outcome during infancy in congenital diaphragmatic hernia. Journal of Pediatric Surgery, 2016, 51, 1084-1090.	1.6	22
63	Rate of increase of lung-to-head ratio over the course of gestation is predictive of survival in left-sided congenital diaphragmatic hernia. Journal of Pediatric Surgery, 2016, 51, 703-705.	1.6	4
64	Right- versus left-sided congenital diaphragmatic hernia: a comparative outcomes analysis. Journal of Pediatric Surgery, 2016, 51, 900-902.	1.6	44
65	Management and outcomes of scoliosis in children with congenital diaphragmatic hernia. Journal of Pediatric Surgery, 2016, 51, 1921-1925.	1.6	5
66	The Intravenous Route of Injection Optimizes Engraftment and Survival in the Murine Model of In Utero Hematopoietic Cell Transplantation. Biology of Blood and Marrow Transplantation, 2016, 22, 991-999.	2.0	33
67	Delayed abdominal closure after congenital diaphragmatic hernia repair. Journal of Pediatric Surgery, 2016, 51, 240-243.	1.6	19
68	Vector serotype screening for use in ovine perinatal lung gene therapy. Journal of Pediatric Surgery, 2016, 51, 879-884.	1.6	9
69	Characterizing and Augmenting Peripheral Tolerance in in Utero Hematopoietic Cell Transplantation. Blood, 2016, 128, 4540-4540.	1.4	0
70	Brain-type natriuretic peptide levels correlate with pulmonary hypertension and requirement for extracorporeal membrane oxygenation in congenital diaphragmatic hernia. Journal of Pediatric Surgery, 2015, 50, 263-266.	1.6	24
71	Timing of repair of congenital diaphragmatic hernia in patients supported by extracorporeal membrane oxygenation (ECMO). Journal of Pediatric Surgery, 2015, 50, 260-262.	1.6	58
72	Ex utero intrapartum treatment (EXIT) in the management of cervical lymphatic malformation. Journal of Pediatric Surgery, 2015, 50, 311-314.	1.6	60

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73	Frequency and complications of inguinal hernia repair in giant omphalocele. Journal of Pediatric Surgery, 2015, 50, 1673-1675.	1.6	7
74	Child With Abdominal Pain and a Cystic Pelvic Mass. JAMA Surgery, 2015, 150, 679.	4.3	0
75	Mechanisms of B Cell Tolerance after in Utero Hematopoietic Cell Transplantation. Blood, 2015, 126, 4289-4289.	1.4	0
76	In utero hematopoietic cell transplantation: induction of donor specific immune tolerance and postnatal transplants. Frontiers in Pharmacology, 2014, 5, 251.	3.5	10
77	Pulmonary hypertension in giant omphalocele infants. Journal of Pediatric Surgery, 2014, 49, 1767-1770.	1.6	44
78	Urologic and anorectal complications of sacrococcygeal teratomas: Prenatal and postnatal predictors. Journal of Pediatric Surgery, 2014, 49, 139-143.	1.6	48
79	Incidence and factors associated with sensorineural and conductive hearing loss among survivors of congenital diaphragmatic hernia. Journal of Pediatric Surgery, 2014, 49, 890-894.	1.6	31
80	Hematopoietic Engraftment of Amniotic Fluid Stem Cells Following in Utero Transplantation. Blood, 2014, 124, 3809-3809.	1.4	1
81	Cell Engineering with Glycogen Synthase Kinase-3 Beta Inhibitor-Loaded Synthetic Nanoparticles Enhances Hematopoietic Engraftment of Bone Marrow Mononuclear Cells Following in Utero Transplantation. Blood, 2014, 124, 2414-2414.	1.4	0
82	Differential Development of Donor Bone Marrow-Derived Thymocytes after Allogeneic in Utero Hematopoietic Cell Transplantation in the Murine Model. Blood, 2014, 124, 5800-5800.	1.4	0
83	Differential Development Of Donor Bone Marrow-Derived Thymocytes After Allogeneic In Utero Hematopoietic Cell Transplantation In The Murine Model. Blood, 2013, 122, 4458-4458.	1.4	0
84	Preconditioning with AMD3100 Mobilization Promotes Homing and Long-Term Engraftment of Hematopoietic Stem Cells During Syngeneic Transplantation in the Murine Model. Blood, 2012, 120, 1886-1886.	1.4	0
85	Altered Thymocyte Development in Allogeneic in Utero Hematopoietic Cell Transplantation in the Mouse Model. Blood, 2012, 120, 4668-4668.	1.4	0
86	Haploidentical In Utero Hematopoietic Cell Transplantation Improves Phenotype and Can Induce Tolerance for Postnatal Same-Donor Transplants in the Canine Leukocyte Adhesion Deficiency Model. Biology of Blood and Marrow Transplantation, 2009, 15, 293-305.	2.0	51
87	IL-10 Overexpression Decreases Inflammatory Mediators and Promotes Regenerative Healing in an Adult Model of Scar Formation. Journal of Investigative Dermatology, 2008, 128, 1852-1860.	0.7	237
88	Persistent Expression of hF.IX After Tolerance Induction by In Utero or Neonatal Administration of AAV-1-F.IX in Hemophilia B Mice. Molecular Therapy, 2007, 15, 1677-1685.	8.2	96
89	Multiple ectopic lesions of focal islet adenomatosis identified by positron emission tomography scan in an infant with congenital hyperinsulinism. Journal of Pediatric Surgery, 2007, 42, 188-192.	1.6	39
90	Evidence for an immune barrier after in utero hematopoietic-cell transplantation. Blood, 2007, 109, 1331-1333.	1.4	85

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91	CD26 inhibition enhances allogeneic donor-cell homing and engraftment after in utero hematopoietic-cell transplantation. Blood, 2006, 108, 4268-4274.	1.4	94
92	Prenatal Diagnosis and Postnatal Management of Diffuse Congenital Hyperinsulinism: A Case Report. Fetal Diagnosis and Therapy, 2006, 21, 515-518.	1.4	10
93	In Utero Hematopoietic Cell Transplantation Using Haploidentical Parental Donors Reverses the Lethal Phenotype in Dogs with Canine Leukocyte Adhesion Deficiency.. Blood, 2006, 108, 624-624.	1.4	1
94	Evidence for an Adaptive Immune Barrier after in Utero Hematopoietic Cell Transplantation.. Blood, 2006, 108, 3179-3179.	1.4	4
95	CD26 Inhibition Enhances Allogeneic Donor Cell Homing and Engraftment after In Utero Bone Marrow Transplantation.. Blood, 2005, 106, 1275-1275.	1.4	1
96	In utero Hematopoietic Cell Transplantation: What Are the Important Questions?. Fetal Diagnosis and Therapy, 2004, 19, 9-12.	1.4	15
97	High-level allogeneic chimerism achieved by prenatal tolerance induction and postnatal nonmyeloablative bone marrow transplantation. Blood, 2002, 100, 2225-2234.	1.4	109
98	Enteral nutrition support for infants with pulmonary hypoplasia: A qualitative evaluation of caregiver and provider perspectives. Nutrition in Clinical Practice, 0, , .	2.4	0