

Darrell L Cass

List of Publications by Year in descending order

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Version: 2024-02-01

103
papers

5,078
citations

66234

42
h-index

98622

67
g-index

103
all docs

103
docs citations

103
times ranked

3924
citing authors

#	ARTICLE	IF	CITATIONS
1	Inactivation of the integrin beta 6 subunit gene reveals a role of epithelial integrins in regulating inflammation in the lung and skin.. Journal of Cell Biology, 1996, 133, 921-928.	2.3	293
2	Fetoscopic Open Neural Tube Defect Repair. Obstetrics and Gynecology, 2017, 129, 734-743.	1.2	260
3	Surgery for ovarian masses in infants, children, and adolescents: 102 consecutive patients treated in a 15-year period. Journal of Pediatric Surgery, 2001, 36, 693-699.	0.8	252
4	Diminished Interleukin-8 (IL-8) Production in the Fetal Wound Healing Response. Journal of Surgical Research, 1998, 77, 80-84.	0.8	165
5	Ovarian torsion. Seminars in Pediatric Surgery, 2005, 14, 86-92.	0.5	165
6	Renal tumors in infants less than 6 months of age. Journal of Pediatric Surgery, 2004, 39, 522-525.	0.8	142
7	Wound size and gestational age modulate scar formation in fetal wound repair. Journal of Pediatric Surgery, 1997, 32, 411-415.	0.8	133
8	Increased cell proliferation and decreased apoptosis characterize congenital cystic adenomatoid malformation of the lung. Journal of Pediatric Surgery, 1998, 33, 1043-1047.	0.8	130
9	Prenatal diagnosis and outcome of fetal lung masses. Journal of Pediatric Surgery, 2011, 46, 292-298.	0.8	129
10	Prenatal presentation and outcome of children with pleuropulmonary blastoma. Journal of Pediatric Surgery, 2006, 41, 66-71.	0.8	117
11	Fetal lung volume and quantification of liver herniation by magnetic resonance imaging in isolated congenital diaphragmatic hernia. Ultrasound in Obstetrics and Gynecology, 2014, 43, 662-669.	0.9	112
12	Peritoneal drainage as definitive treatment for neonates with isolated intestinal perforation. Journal of Pediatric Surgery, 2000, 35, 1531-1536.	0.8	109
13	Platelet Transfusions in Infants with Necrotizing Enterocolitis Do Not Lower Mortality but May Increase Morbidity. Journal of Perinatology, 2005, 25, 173-177.	0.9	82
14	Prenatal MRI fetal lung volumes and percent liver herniation predict pulmonary morbidity in congenital diaphragmatic hernia (CDH). Journal of Pediatric Surgery, 2014, 49, 688-693.	0.8	80
15	Modulation of the Human Homeobox Genes PRX-2 and HOXB13 in Scarless Fetal Wounds. Journal of Investigative Dermatology, 1998, 111, 57-63.	0.3	78
16	Repair of congenital diaphragmatic hernias on Extracorporeal Membrane Oxygenation (ECMO): Does early repair improve patient survival?. Journal of Pediatric Surgery, 2013, 48, 1172-1176.	0.8	76
17	Fetal lower urinary tract obstruction: proposal for standardized multidisciplinary prenatal management based on disease severity. Ultrasound in Obstetrics and Gynecology, 2016, 48, 476-482.	0.9	75
18	Severe Thrombocytopenia Predicts Outcome in Neonates with Necrotizing Enterocolitis. Journal of Perinatology, 2005, 25, 14-20.	0.9	66

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19	Impact of prenatal evaluation and protocol-based perinatal management on congenital diaphragmatic hernia outcomes. <i>Journal of Pediatric Surgery</i> , 2011, 46, 808-813.	0.8	66
20	Fetal MR Imaging of Congenital Diaphragmatic Hernia. <i>Radiographics</i> , 2012, 32, 1067-1084.	1.4	65
21	Defining "liver-up" does the volume of liver herniation predict outcome for fetuses with isolated left-sided congenital diaphragmatic hernia?. <i>Journal of Pediatric Surgery</i> , 2012, 47, 1058-1062.	0.8	65
22	Elevated platelet-derived growth factor-B in congenital cystic adenomatoid malformations requiring fetal resection. <i>Journal of Pediatric Surgery</i> , 1999, 34, 805-810.	0.8	64
23	Imaging accuracy and incidence of Wilms' and non-Wilms' renal tumors in children. <i>Journal of Pediatric Surgery</i> , 2008, 43, 1301-1307.	0.8	64
24	Risk-stratification of severity for infants with CDH: Prenatal versus postnatal predictors of outcome. <i>Journal of Pediatric Surgery</i> , 2016, 51, 44-48.	0.8	64
25	Feasibility and Outcomes of Fetoscopic Tracheal Occlusion for Severe Left Diaphragmatic Hernia. <i>Obstetrics and Gynecology</i> , 2017, 129, 20-29.	1.2	64
26	Myofibroblast persistence in fetal sheep wounds is associated with scar formation. <i>Journal of Pediatric Surgery</i> , 1997, 32, 1017-1022.	0.8	63
27	EXIT-to-resection for fetuses with large lung masses and persistent mediastinal compression near birth. <i>Journal of Pediatric Surgery</i> , 2013, 48, 138-144.	0.8	61
28	Recent advances in the diagnosis and treatment of pheochromocytoma in children. <i>American Journal of Surgery</i> , 2007, 194, 792-797.	0.9	60
29	Fetal Treatment 2017: The Evolution of Fetal Therapy Centers - A Joint Opinion from the International Fetal Medicine and Surgical Society (IFMSS) and the North American Fetal Therapy Network (NAFTNet). <i>Fetal Diagnosis and Therapy</i> , 2017, 42, 241-248.	0.6	60
30	Giant omphaloceles: surgical management and perinatal outcomes. <i>Journal of Surgical Research</i> , 2015, 198, 388-392.	0.8	54
31	Fetoscopic Repair of Meningomyelocele. <i>Obstetrics and Gynecology</i> , 2015, 126, 881-884.	1.2	53
32	Primary malignant pancreatic neoplasms in children and adolescents: A 20year experience. <i>Journal of Pediatric Surgery</i> , 2012, 47, 2199-2204.	0.8	51
33	Hyaluronan receptor expression increases in fetal excisional skin wounds and correlates with fibroplasia. <i>Journal of Pediatric Surgery</i> , 1998, 33, 1062-1070.	0.8	50
34	Maternal morbidity and reproductive outcomes related to fetal surgery. <i>Journal of Pediatric Surgery</i> , 2013, 48, 951-955.	0.8	50
35	Tumor volume to fetal weight ratio as an early prognostic classification for fetal sacrococcygeal teratoma. <i>Journal of Pediatric Surgery</i> , 2011, 46, 1182-1185.	0.8	49
36	Outcome Following Detorsion of Torsed Adnexa in Children. <i>Journal of Pediatric and Adolescent Gynecology</i> , 2015, 28, 136-138.	0.3	48

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37	Epidermal integrin expression is upregulated rapidly in human fetal wound repair. <i>Journal of Pediatric Surgery</i> , 1998, 33, 312-316.	0.8	45
38	Fetal MRI lung volumes are predictive of perinatal outcomes in fetuses with congenital lung masses. <i>Journal of Pediatric Surgery</i> , 2014, 49, 853-858.	0.8	45
39	Defining and predicting "intrauterine fetal renal failure"™ in congenital lower urinary tract obstruction. <i>Pediatric Nephrology</i> , 2016, 31, 605-612.	0.9	45
40	Fetoscopic gene therapy for congenital lung disease. <i>Journal of Pediatric Surgery</i> , 1997, 32, 964-969.	0.8	44
41	Fetal gene therapy: Efficacy, toxicity, and immunologic effects of early gestation recombinant adenovirus. <i>Journal of Pediatric Surgery</i> , 1999, 34, 235-241.	0.8	44
42	Tracheoesophageal displacement index and predictors of airway obstruction for fetuses with neck masses. <i>Journal of Pediatric Surgery</i> , 2012, 47, 46-50.	0.8	44
43	Neutrophil Recruitment by Fetal Porcine Endothelial Cells: Implications in Scarless Fetal Wound Healing. <i>Pediatric Research</i> , 2005, 58, 1290-1294.	1.1	43
44	Fetal Surgery for Congenital Diaphragmatic Hernia: The North American Experience. <i>Seminars in Perinatology</i> , 2005, 29, 104-111.	1.1	42
45	Venovenous cannulation for extracorporeal membrane oxygenation using a bicaval dual-lumen catheter in neonates. <i>Journal of Pediatric Surgery</i> , 2012, 47, 430-434.	0.8	41
46	Defining hydrops and indications for open fetal surgery for fetuses with lung masses and vascular tumors. <i>Journal of Pediatric Surgery</i> , 2012, 47, 40-45.	0.8	40
47	Prenatally diagnosed neck masses: long-term outcomes and quality of life. <i>Journal of Pediatric Surgery</i> , 2015, 50, 1210-1213.	0.8	39
48	Resource utilization after gastrostomy tube placement: Defining areas of improvement for future quality improvement projects. <i>Journal of Pediatric Surgery</i> , 2014, 49, 1598-1601.	0.8	38
49	Fetal MRI improves diagnostic accuracy in patients referred to a fetal center for suspected esophageal atresia. <i>Journal of Pediatric Surgery</i> , 2014, 49, 712-715.	0.8	37
50	Transforming growth factor beta-1 decreases interstitial collagenase in healing human fetal skin. <i>Journal of Pediatric Surgery</i> , 1997, 32, 1023-1027.	0.8	36
51	Perinatal outcome after fetoscopic release of amniotic bands: a single-center experience and review of the literature. <i>Ultrasound in Obstetrics and Gynecology</i> , 2013, 42, 449-455.	0.9	34
52	Complications related to the Nuss procedure: Minimizing risk with operative technique. <i>Journal of Pediatric Surgery</i> , 2013, 48, 1044-1048.	0.8	33
53	Are all pulmonary hypoplasias the same? A comparison of pulmonary outcomes in neonates with congenital diaphragmatic hernia, omphalocele and congenital lung malformation. <i>Journal of Pediatric Surgery</i> , 2015, 50, 55-59.	0.8	33
54	Outcome and Treatment of Antenatally Diagnosed Nonimmune Hydrops Fetalis. <i>Fetal Diagnosis and Therapy</i> , 2018, 43, 123-128.	0.6	33

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55	The presence of a hernia sac in congenital diaphragmatic hernia is associated with better fetal lung growth and outcomes. <i>Journal of Pediatric Surgery</i> , 2013, 48, 1165-1171.	0.8	31
56	Outcomes of fetuses with lower urinary tract obstruction treated with vesicoamniotic shunt: A single-institution experience. <i>Journal of Pediatric Surgery</i> , 2013, 48, 956-962.	0.8	31
57	Outcomes comparing dual-lumen to multisite venovenous ECMO in the pediatric population: The Extracorporeal Life Support Registry experience. <i>Journal of Pediatric Surgery</i> , 2014, 49, 1452-1457.	0.8	31
58	Ovarian-Sparing Surgery in Pediatric Benign Ovarian Tumors. <i>Journal of Pediatric and Adolescent Gynecology</i> , 2016, 29, 506-510.	0.3	31
59	The use of ECMO for persistent pulmonary hypertension of the newborn: A decade of experience. <i>Journal of Surgical Research</i> , 2012, 177, 263-267.	0.8	30
60	Surgery for peptic ulcer disease in children in the post-histamine2-blocker era. <i>Journal of Pediatric Surgery</i> , 2005, 40, 850-854.	0.8	29
61	Factors associated with fetal shunt dislodgement in lower urinary tract obstruction. <i>Prenatal Diagnosis</i> , 2016, 36, 720-725.	1.1	28
62	Age-dependent recruitment of neutrophils by fetal endothelial cells: implications in scarless wound healing. <i>Journal of Pediatric Surgery</i> , 2007, 42, 166-171.	0.8	27
63	Fetal Endoscopic Tracheal Occlusion for Congenital Diaphragmatic Hernia. <i>Obstetrical and Gynecological Survey</i> , 2014, 69, 147-158.	0.2	26
64	A New In Vivo Model for the Study of Fetal Wound Healing. <i>Annals of Plastic Surgery</i> , 1997, 39, 374-380.	0.5	25
65	Fetal left-sided cardiac structural dimensions in left-sided congenital diaphragmatic hernia - association with severity and impact on postnatal outcomes. <i>Prenatal Diagnosis</i> , 2017, 37, 502-509.	1.1	25
66	Fetal lung interstitial tumor: a cause of late gestation fetal hydrops. <i>Journal of Pediatric Surgery</i> , 2011, 46, 1263-1266.	0.8	24
67	Revisiting outcomes of right congenital diaphragmatic hernia. <i>Journal of Surgical Research</i> , 2015, 198, 413-417.	0.8	24
68	Outcomes after peritoneal dialysis catheter placement. <i>Journal of Pediatric Surgery</i> , 2016, 51, 730-733.	0.8	24
69	Comparing characteristics and outcomes in infants with prenatal and postnatal diagnosis of esophageal atresia. <i>Journal of Surgical Research</i> , 2014, 190, 242-245.	0.8	23
70	Quantification of liver herniation in fetuses with isolated congenital diaphragmatic hernia using two-dimensional ultrasonography. <i>Ultrasound in Obstetrics and Gynecology</i> , 2015, 46, 150-154.	0.9	22
71	Assessment of quality of life outcomes using the pediatric quality of life inventory survey in prenatally diagnosed congenital diaphragmatic hernia patients. <i>Journal of Pediatric Surgery</i> , 2016, 51, 545-548.	0.8	22
72	An evaluation of the role of concomitant anomalies on the outcomes of fetuses with congenital diaphragmatic hernia. <i>Journal of Pediatric Surgery</i> , 2016, 51, 714-717.	0.8	22

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73	Patent ductus arteriosus ligation in neonates: preoperative predictors of poor postoperative outcomes. <i>Journal of Pediatric Surgery</i> , 2008, 43, 1100-1105.	0.8	21
74	Prenatal diagnosis and outcome of fetal gastrointestinal obstruction. <i>Journal of Pediatric Surgery</i> , 2017, 52, 722-725.	0.8	21
75	Management of appendiceal carcinoid tumors in children. <i>Journal of Surgical Research</i> , 2015, 198, 384-387.	0.8	20
76	Improving the Prediction of Neonatal Outcomes in Isolated Left-Sided Congenital Diaphragmatic Hernia by Direct and Indirect Sonographic Assessment of Liver Herniation. <i>Journal of Ultrasound in Medicine</i> , 2016, 35, 1437-1443.	0.8	19
77	Congenital heart anomaly in newborns with congenital diaphragmatic hernia: a single-center experience. <i>Ultrasound in Obstetrics and Gynecology</i> , 2015, 45, 683-688.	0.9	18
78	Assessing quality of life in pediatric gastroschisis patients using the Pediatric Quality of Life Inventory survey: An institutional study. <i>Journal of Pediatric Surgery</i> , 2016, 51, 726-729.	0.8	18
79	Serum hyaluronan and its association with unfavorable histology and aggressiveness of heterotransplanted Wilms' tumor. <i>Journal of Pediatric Surgery</i> , 2000, 35, 1070-1078.	0.8	16
80	Granulocyte colony stimulating factor alters the phenotype of neuroblastoma cells: implications for disease-free survival of high-risk patients. <i>Journal of Pediatric Surgery</i> , 2008, 43, 837-842.	0.8	16
81	Comparison between laparoscopically assisted and standard fetoscopic laser ablation in patients with anterior and posterior placentation in twin-twin transfusion syndrome: a single center study. <i>Prenatal Diagnosis</i> , 2015, 35, 376-381.	1.1	16
82	Standardization of Sonographic Lung-to-Head Ratio Measurements in Isolated Congenital Diaphragmatic Hernia. <i>Journal of Ultrasound in Medicine</i> , 2015, 34, 1721-1727.	0.8	16
83	Advances in fetal and neonatal surgery for gastrointestinal anomalies and disease. <i>Clinics in Perinatology</i> , 2002, 29, 1-21.	0.8	15
84	Outcomes of neonates requiring extracorporeal membrane oxygenation for irreversible pulmonary dysplasia. <i>Pediatric Critical Care Medicine</i> , 2012, 13, 188-190.	0.2	15
85	Use of renal near-infrared spectroscopy measurements in congenital diaphragmatic hernia patients on ECMO. <i>Journal of Pediatric Surgery</i> , 2017, 52, 689-692.	0.8	15
86	Predictive Value of MRI Findings for the Identification of a Hernia Sac in Fetuses With Congenital Diaphragmatic Hernia. <i>American Journal of Roentgenology</i> , 2015, 205, 1121-1125.	1.0	14
87	Abdominal cocoon: a unique presentation in an immunodeficient infant. <i>Pediatric Radiology</i> , 2012, 42, 263-266.	1.1	13
88	Fetal laryngoscopy to evaluate vocal folds in a fetus with congenital high airway obstruction syndrome (CHAOS). <i>Ultrasound in Obstetrics and Gynecology</i> , 2014, 43, 102-103.	0.9	13
89	Fetoscopic laser ablation of vasa previa in pregnancy complicated by giant fetal cervical lymphatic malformation. <i>Ultrasound in Obstetrics and Gynecology</i> , 2015, 46, 507-508.	0.9	13
90	Persistent hypercarbia after resuscitation is associated with increased mortality in congenital diaphragmatic hernia patients. <i>Journal of Pediatric Surgery</i> , 2015, 50, 739-743.	0.8	12

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91	5, 4, 3, 2, 1: embryologic variants of pentalogy of Cantrell. Journal of Surgical Research, 2015, 199, 141-148.	0.8	11
92	Space occupying lesions in the presence of congenital diaphragmatic hernia. Journal of Pediatric Surgery, 2016, 51, 710-713.	0.8	11
93	Jugular Vein Hypoplasia Can Preclude Extracorporeal Membrane Oxygenation Cannulation in the Neonate with Congenital Diaphragmatic Hernia: Potential Identification of the Neonate at Risk by Fetal Magnetic Resonance Imaging. Fetal Diagnosis and Therapy, 2011, 30, 225-228.	0.6	10
94	Mainstem bronchial atresia: a lethal anomaly amenable to fetal surgical treatment. Journal of Pediatric Surgery, 2014, 49, 706-711.	0.8	10
95	Microvascular "Supercharged" Cervical Colon: Minimizing Ischemia in Esophageal Reconstruction. Annals of Plastic Surgery, 1999, 43, 533-538.	0.5	9
96	Endoscopic specimen pouch technique for removal of giant fibroadenomas of the breast. Journal of Pediatric Surgery, 2012, 47, 803-807.	0.8	8
97	Communication about maternal-fetal surgery for myelomeningocele and congenital diaphragmatic hernia: preliminary findings with implications for informed consent and shared decision-making. Journal of Perinatal Medicine, 2016, 44, 645-53.	0.6	8
98	A novel multimodal computational system using near-infrared spectroscopy to monitor cerebral oxygenation during assisted ventilation in CDH patients. Journal of Pediatric Surgery, 2016, 51, 38-43.	0.8	7
99	Urologic Considerations in the Separation of Thoracomphalopagus Conjoined Twins. Urology, 2017, 99, 231-233.	0.5	4
100	Meconium per vaginam secondary to ileal atresia and meconium peritonitis. Pediatric Surgery International, 1992, 7, 64.	0.6	1
101	Pulmonary capillary hemangiomatosis in a neonate with congenital diaphragmatic hernia. Pediatric Surgery International, 2015, 31, 501-504.	0.6	1
102	In-utero radiofrequency ablation in fetal piglets: Lessons learned. Journal of Pediatric Surgery, 2016, 51, 554-558.	0.8	1
103	In Reply. Obstetrics and Gynecology, 2015, 126, 674-675.	1.2	0