

Robert A Cowles

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

1,506
citations

331670

21
h-index

345221

36
g-index

75
all docs

75
docs citations

75
times ranked

1850
citing authors

#	ARTICLE	IF	CITATIONS
1	Butyrate and the Intestinal Epithelium: Modulation of Proliferation and Inflammation in Homeostasis and Disease. <i>Cells</i> , 2021, 10, 1775.	4.1	152
2	Guidelines for the diagnosis and management of Hirschsprung-associated enterocolitis. <i>Pediatric Surgery International</i> , 2017, 33, 517-521.	1.4	141
3	Neuronal Serotonin Regulates Growth of the Intestinal Mucosa in Mice. <i>Gastroenterology</i> , 2012, 143, 408-417.e2.	1.3	126
4	Paraoxonase 2 Facilitates Pancreatic Cancer Growth and Metastasis by Stimulating GLUT1-Mediated Glucose Transport. <i>Molecular Cell</i> , 2017, 67, 685-701.e6.	9.7	105
5	Strategies for the prevention of central venous catheter infections: an American Pediatric Surgical Association Outcomes and Clinical Trials Committee systematic review. <i>Journal of Pediatric Surgery</i> , 2011, 46, 2000-2011.	1.6	66
6	Bland-White-Garland syndrome of anomalous left coronary artery arising from the pulmonary artery (ALCAPA): a historical review. <i>Pediatric Radiology</i> , 2007, 37, 890-895.	2.0	61
7	Surgical tray optimization as a simple means to decrease perioperative costs. <i>Journal of Surgical Research</i> , 2017, 220, 320-326.	1.6	55
8	Hereditary multiple exostoses of the ribs: an unusual cause of hemothorax and pericardial effusion. <i>Journal of Pediatric Surgery</i> , 2005, 40, 1197-1200.	1.6	42
9	Malrotation: Current strategies navigating the radiologic diagnosis of a surgical emergency. <i>World Journal of Radiology</i> , 2014, 6, 730.	1.1	38
10	Guidelines for synoptic reporting of surgery and pathology in Hirschsprung disease. <i>Journal of Pediatric Surgery</i> , 2019, 54, 2017-2023.	1.6	34
11	Timing of liver transplantation in biliary atresia—results in 71 children managed by a multidisciplinary team. <i>Journal of Pediatric Surgery</i> , 2008, 43, 1605-1609.	1.6	32
12	Gastric transposition in infants and children. <i>Pediatric Surgery International</i> , 2010, 26, 1129-1134.	1.4	30
13	Improved tolerance for enteral nutrition after serial transverse enteroplasty (STEP) in infants and children with short bowel syndrome—A seven-year single-center experience. <i>Journal of Pediatric Surgery</i> , 2014, 49, 1589-1592.	1.6	29
14	A comparison of suction and full-thickness rectal biopsy in children. <i>Journal of Surgical Research</i> , 2016, 201, 149-155.	1.6	27
15	Ovarian repositioning in pediatric cancer patients: Flexible techniques accommodate pelvic radiation fields. <i>Pediatric Blood and Cancer</i> , 2007, 49, 339-341.	1.5	26
16	Trends in operative experience of pediatric surgical residents in the United States and Canada. <i>Journal of Pediatric Surgery</i> , 2013, 48, 88-94.	1.6	26
17	Recent trends in the operative experience of junior pediatric surgical attendings: a study of APSA applicant case logs. <i>Journal of Pediatric Surgery</i> , 2015, 50, 186-190.	1.6	26
18	Muscarinic acetylcholine receptors participate in small intestinal mucosal homeostasis. <i>Journal of Pediatric Surgery</i> , 2017, 52, 1031-1034.	1.6	25

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19	Preoperative angiography with embolization and radiofrequency ablation as novel adjuncts to safe surgical resection of a large, vascular sacrococcygeal teratoma. <i>Pediatric Surgery International</i> , 2006, 22, 554-556.	1.4	24
20	An Evidence-Based Guideline Supporting Restricted Opioid Prescription after Pediatric Appendectomy. <i>Journal of Pediatric Surgery</i> , 2020, 55, 106-111.	1.6	23
21	Serotonin as a Mitogen in the Gastrointestinal Tract: Revisiting a Familiar Molecule in a New Role. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 12, 1093-1104.	4.5	23
22	Congenital Cystic Lung Lesions. <i>Pediatric and Developmental Pathology</i> , 2017, 20, 403-410.	1.0	22
23	Serial Transverse Enteroplasty in a Newborn Patient. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2007, 45, 257-260.	1.8	18
24	Transition of care in pediatric surgical patients with complex gastrointestinal disease. <i>Seminars in Pediatric Surgery</i> , 2015, 24, 65-68.	1.1	18
25	Complications in pediatric hepatobiliary surgery. <i>Seminars in Pediatric Surgery</i> , 2016, 25, 388-394.	1.1	18
26	Opioid Prescribing Habits of General Versus Pediatric Surgeons After Uncomplicated Laparoscopic Appendectomy. <i>Journal of Surgical Research</i> , 2019, 235, 404-409.	1.6	18
27	Neonatal intestinal obstruction simulating meconium ileus in infants with long-segment intestinal aganglionosis: radiographic findings that prompt the need for rectal biopsy. <i>Pediatric Radiology</i> , 2006, 36, 133-137.	2.0	16
28	Enhanced serotonin signaling stimulates ordered intestinal mucosal growth. <i>Journal of Surgical Research</i> , 2017, 208, 198-203.	1.6	16
29	Distribution of muscarinic acetylcholine receptor subtypes in the murine small intestine. <i>Life Sciences</i> , 2017, 169, 6-10.	4.3	16
30	Laparoscopy is increasingly used for pediatric inguinal hernia repair. <i>Journal of Pediatric Surgery</i> , 2021, 56, 2016-2021.	1.6	15
31	Symptomatic pelvic accessory spleen. <i>American Journal of Surgery</i> , 2007, 194, 225-226.	1.8	14
32	Potentiated serotonin signaling in serotonin reuptake transporter knockout mice increases enterocyte mass and small intestinal absorptive function. <i>Physiological Reports</i> , 2019, 7, e14278.	1.7	14
33	Retracing our STEPs: Four decades of progress in intestinal lengthening procedures for short bowel syndrome. <i>American Journal of Surgery</i> , 2019, 217, 772-782.	1.8	13
34	The 5-HT4 Receptor Agonist Prucalopride Stimulates Mucosal Growth and Enhances Carbohydrate Absorption in the Ileum of the Mouse. <i>Journal of Gastrointestinal Surgery</i> , 2019, 23, 1198-1205.	1.7	12
35	Enhanced serotonin signaling increases intestinal neuroplasticity. <i>Journal of Surgical Research</i> , 2016, 206, 151-158.	1.6	11
36	A Quality Improvement Project to Improve First Case On-time Starts in the Pediatric Operating Room. <i>Pediatric Quality & Safety</i> , 2020, 5, e305.	0.8	11

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37	Infectious complications following serial transverse enteroplasty in infants and children with short bowel syndrome. <i>Journal of Pediatric Surgery</i> , 2015, 50, 428-430.	1.6	10
38	Accurate assessment of bowel length: the method of measurement matters. <i>Journal of Surgical Research</i> , 2016, 206, 146-150.	1.6	9
39	Reducing Underdiagnosis of Hirschsprung-Associated Enterocolitis: A Novel Scoring System. <i>Journal of Surgical Research</i> , 2021, 261, 253-260.	1.6	9
40	Trends in fundoplication volume for pediatric gastroesophageal reflux disease. <i>Journal of Pediatric Surgery</i> , 2021, 56, 1495-1499.	1.6	9
41	Surgical modifications of the Kasai hepatoportoenterostomy minimize invasiveness without compromising short- and medium-term outcomes. <i>Journal of Pediatric Surgery</i> , 2019, 54, 537-542.	1.6	8
42	Potential of serotonin signaling leads to increased carbohydrate and lipid absorption in the murine small intestine. <i>Journal of Pediatric Surgery</i> , 2019, 54, 1245-1249.	1.6	8
43	Trends in Routine and Complex Hepatobiliary Surgery Among General and Pediatric Surgical Residents: What is the Next Generation Learning and is it Enough?. <i>Journal of Surgical Education</i> , 2019, 76, 1005-1014.	2.5	8
44	Potential of serotonin signaling protects against intestinal ischemia and reperfusion injury in mice. <i>Neurogastroenterology and Motility</i> , 2019, 31, e13498.	3.0	8
45	Routine postnatal chest x-ray and intensive care admission are unnecessary for a majority of infants with congenital lung malformations. <i>Journal of Pediatric Surgery</i> , 2019, 54, 670-674.	1.6	8
46	Primary squamous cell carcinoma arising at a gastrostomy tube site. <i>Journal of Pediatric Surgery</i> , 2011, 46, 756-758.	1.6	7
47	Preduodenal portal vein. <i>Surgery</i> , 2016, 159, 672-673.	1.9	7
48	Mucosal homeostasis is altered in the ileum of gnotobiotic mice. <i>Journal of Surgical Research</i> , 2018, 231, 331-337.	1.6	7
49	Laparoscopic excision of an antenatally diagnosed large simple hepatic cyst in the newborn. <i>Pediatric Surgery International</i> , 2012, 28, 719-723.	1.4	6
50	Index Admission Cholecystectomy and Recurrence of Pediatric Gallstone Pancreatitis: Multicenter Cohort Analysis. <i>Journal of the American College of Surgeons</i> , 2022, 234, 352-358.	0.5	6
51	A practical algorithm for accurate diagnosis and treatment of perinatally identified biliary ductal dilation: three cases that underscore the importance of an individualised approach. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2009, 22, 622-628.	1.5	5
52	National Survey of Pediatric Intestinal Rehabilitation Programs in the United States. <i>Journal of Parenteral and Enteral Nutrition</i> , 2021, 45, 1249-1258.	2.6	5
53	Outcomes following adoption of a standardized protocol for abscess drain management in pediatric appendicitis. <i>Journal of Pediatric Surgery</i> , 2021, 56, 43-46.	1.6	5
54	Serum Citrulline Levels Exhibit Circadian Variation and Fluctuations in Relation to Food Intake in Mice. <i>Gastroenterology Research</i> , 2019, 12, 88-92.	1.3	5

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55	Improved capacity to evaluate changes in intestinal mucosal surface area using mathematical modeling. <i>Microscopy Research and Technique</i> , 2017, 80, 793-798.	2.2	4
56	The Limited Utility of Routine Culture in Pediatric Pilonidal, Gluteal, and Perianal Abscesses. <i>Journal of Surgical Research</i> , 2019, 239, 208-215.	1.6	4
57	The Impact of Pediatric Surgical Specialty Meetings: A 5-year Analysis of Presented Abstracts. <i>Journal of Surgical Research</i> , 2019, 238, 16-22.	1.6	4
58	Localization of muscarinic acetylcholine receptor 2 to the intestinal crypt stem cell compartment. <i>Data in Brief</i> , 2017, 10, 482-486.	1.0	3
59	The M1 muscarinic acetylcholine receptor in the crypt stem cell compartment mediates intestinal mucosal growth. <i>Experimental Biology and Medicine</i> , 2020, 245, 1194-1199.	2.4	3
60	Duodenal intussusception secondary to web presenting as recurrent pancreatitis in a 7-year-old girl. <i>Pediatric Radiology</i> , 2016, 46, 426-429.	2.0	2
61	Orally Dosed Citalopram Stimulates Small Intestinal Mucosal Growth. <i>Journal of Surgical Research</i> , 2019, 236, 326-331.	1.6	2
62	Outcomes of neonates with listeriosis supported with extracorporeal membrane oxygenation from 1991 to 2017. <i>Journal of Perinatology</i> , 2020, 40, 105-111.	2.0	2
63	Mucosal characteristics vary across developmental stages in the small intestine of C57BL/6J mice. <i>Life Sciences</i> , 2020, 260, 118428.	4.3	2
64	Thomas Vincent Santulli: A central figure in the development of pediatric surgery in New York City. <i>Surgery</i> , 2006, 140, 113-117.	1.9	1
65	Identification of an occult recto-prostatic fistula with cystoscopy-assisted air colostogram. <i>International Journal of Surgery Case Reports</i> , 2019, 65, 349-353.	0.6	1
66	Antenatally detected liver and biliary pathology. <i>Seminars in Pediatric Surgery</i> , 2020, 29, 150939.	1.1	1
67	Pre-operative screening for biliary atresia in cholestatic infants: A case for percutaneous liver biopsy. <i>Journal of Pediatric Surgery</i> , 2020, 55, 1677.	1.6	1
68	Duodenal Duplication Cyst. <i>Journal of Gastrointestinal Surgery</i> , 2021, 25, 1635-1637.	1.7	1
69	Jejunioileal mucosal growth in mice with a limited microbiome. <i>PLoS ONE</i> , 2022, 17, e0266251.	2.5	1
70	Variability in pediatric appendectomy: The association between disposable supply cost and procedure duration. <i>Surgery</i> , 2022, 172, 729-733.	1.9	1
71	Hepatoportoenterostomy Surgery Technique. <i>Journal of Pediatric Surgery</i> , 2019, 54, 1965.	1.6	0
72	Response to Letter to Editor. <i>Journal of Pediatric Surgery</i> , 2019, 54, 870.	1.6	0

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73	Point-of-Care Ultrasound to Evaluate the Acute Abdomen. <i>Pediatric Emergency Care</i> , 2022, 38, e1022-e1024.	0.9	0
74	Cholecystectomy Is Superior to Medical Management for Biliary Pain in Pediatric Patients. <i>Journal of Gastrointestinal Surgery</i> , 2021, 25, 2435-2436.	1.7	0
75	Pediatric unilobar resection in primary ciliary dyskinesia. <i>Minerva Pediatrics</i> , 2020, , .	0.4	0