

# Simon Eaton

## List of Publications by Year in descending order

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368  
papers

16,159  
citations

19608

61  
h-index

24915

109  
g-index

378  
all docs

378  
docs citations

378  
times ranked

18192  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ischaemic accumulation of succinate controls reperfusion injury through mitochondrial ROS. <i>Nature</i> , 2014, 515, 431-435.	13.7	1,989
2	Mammalian mitochondrial $\beta$ -oxidation. <i>Biochemical Journal</i> , 1996, 320, 345-357.	1.7	371
3	Control of mitochondrial $\beta$ -oxidation flux. <i>Progress in Lipid Research</i> , 2002, 41, 197-239.	5.3	360
4	Neurodevelopmental outcomes of neonates with medically and surgically treated necrotizing enterocolitis. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2007, 92, F193-F198.	1.4	339
5	Mitochondrial beta-oxidation. <i>FEBS Journal</i> , 2004, 271, 462-469.	0.2	319
6	Mechanisms of action for the medium-chain triglyceride ketogenic diet in neurological and metabolic disorders. <i>Lancet Neurology</i> , The, 2018, 17, 84-93.	4.9	296
7	Microbiota-Derived Metabolites Suppress Arthritis by Amplifying Aryl-Hydrocarbon Receptor Activation in Regulatory B Cells. <i>Cell Metabolism</i> , 2020, 31, 837-851.e10.	7.2	290
8	Extracellular matrix hydrogel derived from decellularized tissues enables endodermal organoid culture. <i>Nature Communications</i> , 2019, 10, 5658.	5.8	281
9	Nonoperative Treatment With Antibiotics Versus Surgery for Acute Nonperforated Appendicitis in Children. <i>Annals of Surgery</i> , 2015, 261, 67-71.	2.1	251
10	Hyperinsulinism in short-chain L-3-hydroxyacyl-CoA dehydrogenase deficiency reveals the importance of $\beta$ -oxidation in insulin secretion. <i>Journal of Clinical Investigation</i> , 2001, 108, 457-465.	3.9	246
11	Mutations in SLC39A14 disrupt manganese homeostasis and cause childhood-onset parkinsonismâ€“dystonia. <i>Nature Communications</i> , 2016, 7, 11601.	5.8	233
12	Smith-Lemli-Opitz syndrome: a variable clinical and biochemical phenotype.. <i>Journal of Medical Genetics</i> , 1998, 35, 558-565.	1.5	205
13	Control of mitochondrial superoxide production by reverse electron transport at complex I. <i>Journal of Biological Chemistry</i> , 2018, 293, 9869-9879.	1.6	204
14	Peritoneal Drainage or Laparotomy for Neonatal Bowel Perforation?. <i>Annals of Surgery</i> , 2008, 248, 44-51.	2.1	192
15	A rat decellularized small bowel scaffold that preserves villus-crypt architecture for intestinal regeneration. <i>Biomaterials</i> , 2012, 33, 3401-3410.	5.7	188
16	Incidentally Detected Meckel Diverticulum. <i>Annals of Surgery</i> , 2008, 247, 276-281.	2.1	186
17	Recovery after open versus laparoscopic pyloromyotomy for pyloric stenosis: a double-blind multicentre randomised controlled trial. <i>Lancet</i> , The, 2009, 373, 390-398.	6.3	171
18	Incidence, Prevention, and Treatment of Parenteral Nutritionâ€“Associated Cholestasis and Intestinal Failureâ€“Associated Liver Disease in Infants and Children. <i>Journal of Parenteral and Enteral Nutrition</i> , 2014, 38, 70-85.	1.3	171

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19	Amniotic fluid stem cells improve survival and enhance repair of damaged intestine in necrotising enterocolitis via a COX-2 dependent mechanism. <i>Gut</i> , 2014, 63, 300-309.	6.1	155
20	Hypercapnia and Acidosis During Open and Thoracoscopic Repair of Congenital Diaphragmatic Hernia and Esophageal Atresia. <i>Annals of Surgery</i> , 2013, 258, 895-900.	2.1	154
21	The ketogenic diet component decanoic acid increases mitochondrial citrate synthase and complex I activity in neuronal cells. <i>Journal of Neurochemistry</i> , 2014, 129, 426-433.	2.1	153
22	Altered cleavage and localization of PINK1 to aggresomes in the presence of proteasomal stress. <i>Journal of Neurochemistry</i> , 2006, 98, 156-169.	2.1	146
23	Efficacy and Safety of Nonoperative Treatment for Acute Appendicitis: A Meta-analysis. <i>Pediatrics</i> , 2017, 139, .	1.0	128
24	Hyperglycemia is associated with increased morbidity and mortality rates in neonates with necrotizing enterocolitis. <i>Journal of Pediatric Surgery</i> , 2004, 39, 898-901.	0.8	123
25	International Survey on the Management of Esophageal Atresia. <i>European Journal of Pediatric Surgery</i> , 2014, 24, 003-008.	0.7	123
26	Determination of Coenzyme Q10 Status in Blood Mononuclear Cells, Skeletal Muscle, and Plasma by HPLC with Di-Propoxy-Coenzyme Q10 as an Internal Standard. <i>Clinical Chemistry</i> , 2005, 51, 2380-2382.	1.5	119
27	High Expression of the Ectonucleotidase CD39 on T Cells from the Inflamed Site Identifies Two Distinct Populations, One Regulatory and One Memory T Cell Population. <i>Journal of Immunology</i> , 2010, 185, 134-143.	0.4	119
28	Hyperinsulinism in short-chain L-3-hydroxyacyl-CoA dehydrogenase deficiency reveals the importance of $\beta$ -oxidation in insulin secretion. <i>Journal of Clinical Investigation</i> , 2001, 108, 457-465.	3.9	114
29	Systematic review of the risk of developing a metachronous contralateral inguinal hernia in children. <i>British Journal of Surgery</i> , 2007, 94, 804-811.	0.1	105
30	Current Research on the Epidemiology, Pathogenesis, and Management of Necrotizing Enterocolitis. <i>Neonatology</i> , 2017, 111, 423-430.	0.9	105
31	Decreased cerebral oxygen saturation during thoracoscopic repair of congenital diaphragmatic hernia and esophageal atresia in infants. <i>Journal of Pediatric Surgery</i> , 2011, 46, 47-51.	0.8	96
32	Engineering transplantable jejunal mucosal grafts using patient-derived organoids from children with intestinal failure. <i>Nature Medicine</i> , 2020, 26, 1593-1601.	15.2	94
33	Necrotizing enterocolitis: Prevention, treatment, and outcome. <i>Journal of Pediatric Surgery</i> , 2013, 48, 2359-2367.	0.8	92
34	Intestinal ischemia reperfusion injury and multisystem organ failure. <i>Seminars in Pediatric Surgery</i> , 2004, 13, 11-17.	0.5	89
35	Validation of Bioelectrical Impedance Analysis in Adolescents Across Different Ethnic Groups. <i>Obesity</i> , 2010, 18, 1252-1259.	1.5	86
36	Advanced Necrotizing Enterocolitis Part 1: Mortality. <i>European Journal of Pediatric Surgery</i> , 2012, 22, 008-012.	0.7	84

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37	The clinical significance of thrombocytopenia in neonates with necrotizing enterocolitis. <i>Journal of Pediatric Surgery</i> , 2001, 36, 799-803.	0.8	82
38	Carbon dioxide elimination during laparoscopy in children is age dependent. <i>Journal of Pediatric Surgery</i> , 2003, 38, 105-110.	0.8	80
39	Cells for bioartificial liver devices: The human hepatoma-derived cell line C3A produces urea but does not detoxify ammonia. <i>Biotechnology and Bioengineering</i> , 2008, 99, 644-651.	1.7	80
40	Moderate hypothermia as a rescue therapy against intestinal ischemia and reperfusion injury in the rat*. <i>Critical Care Medicine</i> , 2008, 36, 1564-1572.	0.4	80
41	International Survey on the Management of Necrotizing Enterocolitis. <i>European Journal of Pediatric Surgery</i> , 2015, 25, 27-33.	0.7	79
42	Assessment of a Neonatal Rat Model of Necrotizing Enterocolitis. <i>European Journal of Pediatric Surgery</i> , 2008, 18, 423-426.	0.7	78
43	A novel starch for the treatment of glycogen storage diseases. <i>Journal of Inherited Metabolic Disease</i> , 2007, 30, 350-357.	1.7	77
44	Thoracoscopic repair of congenital diaphragmatic hernia: intraoperative ventilation and recurrence. <i>Journal of Pediatric Surgery</i> , 2010, 45, 355-359.	0.8	74
45	Multi-stage bioengineering of a layered oesophagus with in vitro expanded muscle and epithelial adult progenitors. <i>Nature Communications</i> , 2018, 9, 4286.	5.8	74
46	3-Hydroxyacyl-Coenzyme A Dehydrogenase Deficiency and Hyperinsulinemic Hypoglycemia: Characterization of a Novel Mutation and Severe Dietary Protein Sensitivity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 2221-2225.	1.8	72
47	Quantitation of acyl-CoA and acylcarnitine esters accumulated during abnormal mitochondrial fatty acid oxidation.. <i>Journal of Biological Chemistry</i> , 1991, 266, 22932-22938.	1.6	71
48	The mitochondrial trifunctional protein: centre of a $\hat{1}^2$ -oxidation metabolon?. <i>Biochemical Society Transactions</i> , 2000, 28, 177-182.	1.6	70
49	Urinary intestinal fatty acid-binding protein concentration predicts extent of disease in necrotizing enterocolitis. <i>Journal of Pediatric Surgery</i> , 2010, 45, 735-740.	0.8	70
50	National prospective surveillance study of necrotizing enterocolitis in neonatal intensive care units. <i>Journal of Pediatric Surgery</i> , 2010, 45, 1391-1397.	0.8	70
51	Ornithine transcarbamylase and arginase I deficiency are responsible for diminished urea cycle function in the human hepatoblastoma cell line HepG2. <i>International Journal of Biochemistry and Cell Biology</i> , 2007, 39, 555-564.	1.2	69
52	Validation of BIA in Obese Children and Adolescents and Re-evaluation in a Longitudinal Study. <i>Obesity</i> , 2009, 17, 2245-2250.	1.5	69
53	A Review of Conservative Treatment of Acute Appendicitis. <i>European Journal of Pediatric Surgery</i> , 2012, 22, 185-194.	0.7	69
54	Optimization of Liver Decellularization Maintains Extracellular Matrix Micro-Architecture and Composition Predisposing to Effective Cell Seeding. <i>PLoS ONE</i> , 2016, 11, e0155324.	1.1	69

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55	Hyperinsulinism of infancy associated with a novel splice site mutation in the SCHAD gene. <i>Journal of Pediatrics</i> , 2005, 146, 706-708.	0.9	68
56	Microglial neurotransmitter receptors trigger superoxide production in microglia; consequences for microglial-neuronal interactions. <i>Journal of Neurochemistry</i> , 2012, 121, 287-301.	2.1	68
57	Surgical strategies for necrotising enterocolitis: a survey of practice in the United Kingdom. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2005, 90, F152-F155.	1.4	66
58	Free radical scavenging inhibits STAT phosphorylation following in vivo ischemia/reperfusion injury. <i>FASEB Journal</i> , 2006, 20, 2115-2117.	0.2	66
59	Hypothermia throughout intestinal ischaemia-reperfusion injury attenuates lung neutrophil infiltration. <i>Journal of Pediatric Surgery</i> , 2003, 38, 88-91.	0.8	65
60	Detergent enzymatic treatment for the development of a natural acellular matrix for oesophageal regeneration. <i>Pediatric Surgery International</i> , 2013, 29, 87-95.	0.6	65
61	Preservation of micro-architecture and angiogenic potential in a pulmonary acellular matrix obtained using intermittent intra-tracheal flow of detergent enzymatic treatment. <i>Biomaterials</i> , 2013, 34, 6638-6648.	5.7	65
62	Growth, body composition, and cardiovascular and nutritional risk of 5- to 10-y-old children consuming vegetarian, vegan, or omnivore diets. <i>American Journal of Clinical Nutrition</i> , 2021, 113, 1565-1577.	2.2	65
63	Esophageal tissue engineering: A new approach for esophageal replacement. <i>World Journal of Gastroenterology</i> , 2012, 18, 6900.	1.4	63
64	Quantitation of acyl-CoA and acylcarnitine esters accumulated during abnormal mitochondrial fatty acid oxidation. <i>Journal of Biological Chemistry</i> , 1991, 266, 22932-8.	1.6	61
65	European Paediatric Surgeons' Association Survey on the Management of Hirschsprung Disease. <i>European Journal of Pediatric Surgery</i> , 2017, 27, 096-101.	0.7	59
66	Impaired Wnt/ $\beta$ -catenin pathway leads to dysfunction of intestinal regeneration during necrotizing enterocolitis. <i>Cell Death and Disease</i> , 2019, 10, 743.	2.7	59
67	Mild Controlled Hypothermia in Preterm Neonates With Advanced Necrotizing Enterocolitis. <i>Pediatrics</i> , 2010, 125, e300-e308.	1.0	57
68	Decellularised skeletal muscles allow functional muscle regeneration by promoting host cell migration. <i>Scientific Reports</i> , 2018, 8, 8398.	1.6	57
69	Surgical Repair of Incarcerated Inguinal Hernia in Children: Laparoscopic or Open?. <i>European Journal of Pediatric Surgery</i> , 2011, 21, 8-11.	0.7	56
70	Randomized controlled trial investigating the effects of a breastfeeding relaxation intervention on maternal psychological state, breast milk outcomes, and infant behavior and growth. <i>American Journal of Clinical Nutrition</i> , 2019, 110, 121-130.	2.2	55
71	MODERATE HYPOTHERMIA PROTECTS AGAINST SYSTEMIC OXIDATIVE STRESS IN A RAT MODEL OF INTESTINAL ISCHEMIA AND REPERFUSION INJURY. <i>Shock</i> , 2005, 24, 159-164.	1.0	54
72	Amniotic fluid stem cell migration after intraperitoneal injection in pup rats: implication for therapy. <i>Pediatric Surgery International</i> , 2010, 26, 79-84.	0.6	54

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73	Primary Bladder Exstrophy Closure in Neonates: Challenging the Traditions. <i>Journal of Urology</i> , 2014, 191, 193-198.	0.2	54
74	Risk of incomplete pyloromyotomy and mucosal perforation in open and laparoscopic pyloromyotomy. <i>Journal of Pediatric Surgery</i> , 2014, 49, 1083-1086.	0.8	54
75	Fortified complementary foods with or without Î±-amylase treatment increase hemoglobin but do not reduce breast milk intake of 9-mo-old Zambian infants. <i>American Journal of Clinical Nutrition</i> , 2007, 86, 1094-1103.	2.2	53
76	Selenium in critical illness. <i>Current Opinion in Critical Care</i> , 2006, 12, 136-141.	1.6	51
77	Evaluation of DXA against the four-component model of body composition in obese children and adolescents aged 5â€“21 years. <i>International Journal of Obesity</i> , 2010, 34, 649-655.	1.6	51
78	Long-term cryopreservation of decellularised oesophagi for tissue engineering clinical application. <i>PLoS ONE</i> , 2017, 12, e0179341.	1.1	51
79	Multiple biochemical effects in the pathogenesis of alcoholic fatty liver. <i>European Journal of Clinical Investigation</i> , 1997, 27, 719-722.	1.7	50
80	Energy Metabolism of Infants and Children with Systemic Inflammatory Response Syndrome and Sepsis. <i>Annals of Surgery</i> , 2001, 233, 581-587.	2.1	50
81	Is interval appendicectomy justified after successful nonoperative treatment of an appendix mass in children? A systematic review. <i>Journal of Pediatric Surgery</i> , 2011, 46, 767-771.	0.8	50
82	Clinical Outcome of a Randomized Controlled Blinded Trial of Open Versus Laparoscopic Nissen Fundoplication in Infants and Children. <i>Annals of Surgery</i> , 2011, 254, 209-216.	2.1	49
83	A patient led, international study of long term outcomes of esophageal atresia: EAT 1. <i>Journal of Pediatric Surgery</i> , 2018, 53, 610-615.	0.8	49
84	Is early delivery beneficial in gastroschisis?. <i>Journal of Pediatric Surgery</i> , 2014, 49, 928-933.	0.8	48
85	Glutamine and glutathione counteract the inhibitory effects of mediators of sepsis in neonatal hepatocytes. <i>Journal of Pediatric Surgery</i> , 2001, 36, 282-286.	0.8	47
86	Metabolic Response to Surgery in Infants and Children. <i>European Journal of Pediatric Surgery</i> , 2009, 19, 275-285.	0.7	47
87	The predictive value of preoperative fluorine-18-l-3,4-dihydroxyphenylalanine positron emission tomographyâ€“computed tomography scans in children with congenital hyperinsulinism of infancy. <i>Journal of Pediatric Surgery</i> , 2011, 46, 204-208.	0.8	47
88	SARS-CoV-2 infection and replication in human gastric organoids. <i>Nature Communications</i> , 2021, 12, 6610.	5.8	47
89	Early full blood count and severity of disease in neonates with necrotizing enterocolitis. <i>Pediatric Surgery International</i> , 2003, 19, 376-379.	0.6	46
90	Randomized controlled trial of 4 compared with 6 mo of exclusive breastfeeding in Iceland: differences in breast-milk intake by stable-isotope probe. <i>American Journal of Clinical Nutrition</i> , 2012, 96, 73-79.	2.2	46

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91	Appendectomy versus non-operative treatment for acute uncomplicated appendicitis in children: study protocol for a multicentre, open-label, non-inferiority, randomised controlled trial. <i>BMJ Paediatrics Open</i> , 2017, 1, bmjpo-2017-000028.	0.6	46
92	Duhamel pull-through for Hirschsprung disease: a comparison of open and laparoscopic techniques. <i>Journal of Pediatric Surgery</i> , 2012, 47, 308-312.	0.8	45
93	Tissue engineering of the esophagus. <i>Seminars in Pediatric Surgery</i> , 2014, 23, 127-134.	0.5	45
94	Nonoperative Treatment Versus Appendectomy for Acute Nonperforated Appendicitis in Children. <i>Annals of Surgery</i> , 2020, 271, 1030-1035.	2.1	45
95	Short-chain 3-hydroxyacyl-CoA dehydrogenase deficiency associated with hyperinsulinism: a novel glucoseâ€‘fatty acid cycle?. <i>Biochemical Society Transactions</i> , 2003, 31, 1137-1139.	1.6	44
96	Inflammatory response in children after laparoscopic vs open Nissen fundoplication: randomized controlled trial. <i>Journal of Pediatric Surgery</i> , 2005, 40, 908-914.	0.8	44
97	Remote ischemic conditioning counteracts the intestinal damage of necrotizing enterocolitis by improving intestinal microcirculation. <i>Nature Communications</i> , 2020, 11, 4950.	5.8	44
98	Intermediates of peroxisomal $\alpha$ -oxidation. A study of the fatty acyl-CoA esters which accumulate during peroxisomal $\alpha$ -oxidation of [U-14C]hexadecanoate. <i>Biochemical Journal</i> , 1990, 270, 175-180.	1.7	43
99	Neuronal decanoic acid oxidation is markedly lower than that of octanoic acid: A mechanistic insight into the medium-chain triglyceride ketogenic diet. <i>Epilepsia</i> , 2017, 58, 1423-1429.	2.6	43
100	A systematic review of serologic tests in the diagnosis of necrotizing enterocolitis. <i>Journal of Pediatric Surgery</i> , 2009, 44, 2192-2201.	0.8	42
101	Morbidity After Ganglioneuroma Excision: Is Surgery Necessary?. <i>European Journal of Pediatric Surgery</i> , 2011, 21, 33-37.	0.7	42
102	Intestinal failure-associated liver disease in surgical infants requiring long-term parenteral nutrition. <i>Journal of Pediatric Surgery</i> , 2012, 47, 359-362.	0.8	42
103	ERNICA Consensus Conference on the Management of Patients with Esophageal Atresia and Tracheoesophageal Fistula: Diagnostics, Preoperative, Operative, and Postoperative Management. <i>European Journal of Pediatric Surgery</i> , 2020, 30, 326-336.	0.7	42
104	ERNICA Consensus Conference on the Management of Patients with Esophageal Atresia and Tracheoesophageal Fistula: Follow-up and Framework. <i>European Journal of Pediatric Surgery</i> , 2020, 30, 475-482.	0.7	42
105	Metabolism and nutrition in the surgical neonate. <i>Seminars in Pediatric Surgery</i> , 2008, 17, 276-284.	0.5	41
106	Gastroschisis with intestinal atresiaâ€‘predictive value of antenatal diagnosis and outcome of postnatal treatment. <i>Journal of Pediatric Surgery</i> , 2012, 47, 322-328.	0.8	41
107	Leucine-sensitive hyperinsulinaemic hypoglycaemia in patients with loss of function mutations in 3-Hydroxyacyl-CoA Dehydrogenase. <i>Orphanet Journal of Rare Diseases</i> , 2012, 7, 25.	1.2	41
108	Effect of sodium deficiency on growth of surgical infants: a retrospective observational study. <i>Pediatric Surgery International</i> , 2014, 30, 1279-1284.	0.6	41

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109	Four year follow-up of a randomised controlled trial comparing open and laparoscopic Nissen fundoplication in children. Archives of Disease in Childhood, 2014, 99, 516-521.	1.0	41
110	Conservative versus liberal oxygenation targets in critically ill children: the randomised multiple-centre pilot Oxy-PICU trial. Intensive Care Medicine, 2018, 44, 1240-1248.	3.9	41
111	Absorption of carbon dioxide during laparoscopy in children measured using a novel mass spectrometric technique. British Journal of Anaesthesia, 2006, 97, 215-219.	1.5	40
112	Intraoperative acidosis and hypercapnia during thoracoscopic repair of congenital diaphragmatic hernia and esophageal atresia/tracheoesophageal fistula. Paediatric Anaesthesia, 2017, 27, 841-848.	0.6	40
113	Mitochondrial Fatty Acid $\beta$ -Oxidation in the Retinal Pigment Epithelium. Pediatric Research, 2002, 52, 595-600.	1.1	39
114	Peritoneal drainage does not stabilize extremely low birth weight infants with perforated bowel: data from the NET Trial. Journal of Pediatric Surgery, 2010, 45, 324-329.	0.8	39
115	Gastrostomy insertion in children: percutaneous endoscopic or percutaneous image-guided?. Journal of Pediatric Surgery, 2010, 45, 1153-1158.	0.8	39
116	Current Management of Congenital Pulmonary Airway Malformations: A $\text{\textcircled{E}}$ European Pediatric Surgeons' Association $\text{\textcircled{E}}$ Survey. European Journal of Pediatric Surgery, 2018, 28, 001-005.	0.7	39
117	Free radical formation in infants: The effect of critical illness, parenteral nutrition, and enteral feeding. Journal of Pediatric Surgery, 1999, 34, 1091-1095.	0.8	38
118	Adequacy of Milk Intake During Exclusive Breastfeeding: A Longitudinal Study. Pediatrics, 2011, 128, e907-e914.	1.0	38
119	Outcome reporting in randomised controlled trials and meta-analyses of appendicitis treatments in children: a systematic review. Trials, 2015, 16, 275.	0.7	38
120	Long-term surgical and patient-reported outcomes of Hirschsprung Disease. Journal of Pediatric Surgery, 2021, 56, 1502-1511.	0.8	38
121	Outcome after introduction of laparoscopic appendectomy in children: A cohort study. Journal of Pediatric Surgery, 2016, 51, 449-453.	0.8	37
122	Non-operative management of appendicitis in children. Archives of Disease in Childhood, 2018, 103, 498-502.	1.0	37
123	State of Play: Eight Decades of Surgery for Esophageal Atresia. European Journal of Pediatric Surgery, 2019, 29, 039-048.	0.7	37
124	Factors predicting failure of redo Nissen fundoplication in children. Pediatric Surgery International, 2007, 23, 499-503.	0.6	36
125	New targets of urocortin-mediated cardioprotection. Journal of Molecular Endocrinology, 2010, 45, 69-85.	1.1	36
126	Surgery for hydrocele in children $\text{\textcircled{E}}$ an avoidable excess?. Journal of Pediatric Surgery, 2011, 46, 2401-2405.	0.8	36



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127	Laparoscopic surgery in children is associated with an intraoperative hypermetabolic response. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2006, 20, 452-457.	1.3	35
128	Cost-effectiveness of laparoscopic versus open pyloromyotomy. <i>Journal of Surgical Research</i> , 2012, 178, 315-320.	0.8	35
129	The effect of respiratory chain impairment of $\hat{I}^2$ -oxidation in rat heart mitochondria. <i>Biochemical Journal</i> , 1996, 319, 633-640.	1.7	34
130	The metabolic response to intravenous medium-chain triglycerides in infants after surgery. <i>Journal of Pediatrics</i> , 2002, 141, 689-694.	0.9	34
131	Energy Expenditure Compared to Physical Activity Measured by Accelerometry and Self-Report in Adolescents: A Validation Study. <i>PLoS ONE</i> , 2013, 8, e77036.	1.1	34
132	Correlation of Low CD73 Expression on Synovial Lymphocytes With Reduced Adenosine Generation and Higher Disease Severity in Juvenile Idiopathic Arthritis. <i>Arthritis and Rheumatology</i> , 2015, 67, 545-554.	2.9	34
133	Redox control of beta-oxidation in rat liver mitochondria. <i>FEBS Journal</i> , 1994, 220, 671-681.	0.2	33
134	Activation of Wnt signaling by amniotic fluid stem cell-derived extracellular vesicles attenuates intestinal injury in experimental necrotizing enterocolitis. <i>Cell Death and Disease</i> , 2020, 11, 750.	2.7	33
135	Outcomes following laparoscopic inguinal hernia repair in infants compared with older children. <i>Pediatric Surgery International</i> , 2012, 28, 1165-1169.	0.6	32
136	A Decellularization Methodology for the Production of a Natural Acellular Intestinal Matrix. <i>Journal of Visualized Experiments</i> , 2013, , .	0.2	32
137	A systematic review and meta-analysis on fetal ovarian cysts: impact of size, appearance and prenatal aspiration. <i>Prenatal Diagnosis</i> , 2017, 37, 951-958.	1.1	32
138	The biochemical basis of antioxidant therapy in critical illness. <i>Proceedings of the Nutrition Society</i> , 2006, 65, 242-249.	0.4	31
139	Human amniotic fluid stem cell differentiation along smooth muscle lineage. <i>FASEB Journal</i> , 2013, 27, 4853-4865.	0.2	31
140	The role of preformed silos in the management of infants with gastroschisis: a systematic review and meta-analysis. <i>Pediatric Surgery International</i> , 2015, 31, 473-483.	0.6	31
141	ERNICA Consensus Conference on the Management of Patients with Long-Gap Esophageal Atresia: Perioperative, Surgical, and Long-Term Management. <i>European Journal of Pediatric Surgery</i> , 2021, 31, 214-225.	0.7	31
142	Intramitochondrial control of the oxidation of hexadecanoate in skeletal muscle. A study of the acyl-CoA esters which accumulate during rat skeletal-muscle mitochondrial $\hat{I}^2$ -oxidation of [U-14C]hexadecanoate and [U-14C]hexadecanoyl-carnitine. <i>Biochemical Journal</i> , 1993, 289, 161-168.	1.7	30
143	Captopril reduces the severity of bowel damage in a neonatal rat model of necrotizing enterocolitis. <i>Journal of Pediatric Surgery</i> , 2008, 43, 308-314.	0.8	30
144	Gastric Emptying is Accelerated following Laparoscopic Nissen Fundoplication. <i>European Journal of Pediatric Surgery</i> , 2008, 18, 395-397.	0.7	30

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145	Post-natal erythromycin exposure and risk of infantile hypertrophic pyloric stenosis: a systematic review and meta-analysis. <i>Pediatric Surgery International</i> , 2016, 32, 1147-1152.	0.6	30
146	Hepatocyte mitochondrial metabolism is inhibited in neonatal rat endotoxaemia: effects of glutamine. <i>Clinical Science</i> , 2002, 102, 337-344.	1.8	29
147	Surgery in Children With Crohn Disease Refractory to Medical Therapy. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2011, 52, 286-290.	0.9	29
148	Recurrence rate of Morgagni diaphragmatic hernia following laparoscopic repair. <i>Pediatric Surgery International</i> , 2013, 29, 185-189.	0.6	29
149	Management of Pediatric Inguinal Hernias in the Era of Laparoscopy: Results of an International Survey. <i>European Journal of Pediatric Surgery</i> , 2014, 24, 009-013.	0.7	29
150	Current research in necrotizing enterocolitis. <i>Early Human Development</i> , 2016, 97, 33-39.	0.8	29
151	Lipid peroxidation can be reduced in infants on total parenteral nutrition by promoting fat utilisation. <i>Journal of Pediatric Surgery</i> , 1999, 34, 255-259.	0.8	28
152	Carnitine Palmitoyl Transferase I and the Control of $\hat{I}^2$ -Oxidation in Heart Mitochondria. <i>Biochemical and Biophysical Research Communications</i> , 2001, 285, 537-539.	1.0	28
153	Carnitine palmitoyl transferase I and the control of myocardial $\hat{I}^2$ -oxidation flux. <i>Biochemical Society Transactions</i> , 2001, 29, 245-249.	1.6	28
154	Myocardial carnitine palmitoyltransferase I as a target for oxidative modification in inflammation and sepsis. <i>Biochemical Society Transactions</i> , 2003, 31, 1133-1136.	1.6	28
155	Randomized clinical trial of glutamine-supplemented <i>versus</i> standard parenteral nutrition in infants with surgical gastrointestinal disease. <i>British Journal of Surgery</i> , 2012, 99, 929-938.	0.1	28
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310	Ageing contributes to phenotype transition in a mouse model of periodic paralysis. <i>JCSM Rapid Communications</i> , 2021, 4, 245-259.	0.6	4
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312	Long-term outcomes following failure of Nissen fundoplication. <i>Pediatric Surgery International</i> , 2022, 38, 707-712.	0.6	4
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