

Simon Eaton

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

355
papers

11,878
citations

54
h-index

94
g-index

378
ext. papers

14,281
ext. citations

4.6
avg, IF

6.23
L-index

#	Paper	IF	Citations
355	Ischaemic accumulation of succinate controls reperfusion injury through mitochondrial ROS. <i>Nature</i> , 2014 , 515, 431-435	50.4	1360
354	Mammalian mitochondrial beta-oxidation. <i>Biochemical Journal</i> , 1996 , 320 (Pt 2), 345-57	3.8	338
353	Control of mitochondrial beta-oxidation flux. <i>Progress in Lipid Research</i> , 2002 , 41, 197-239	14.3	307
352	Neurodevelopmental outcomes of neonates with medically and surgically treated necrotizing enterocolitis. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2007 , 92, F193-8	4.7	262
351	Mitochondrial beta-oxidation. <i>FEBS Journal</i> , 2004 , 271, 462-9		261
350	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	15.9	210
349	Nonoperative treatment with antibiotics versus surgery for acute nonperforated appendicitis in children: a pilot randomized controlled trial. <i>Annals of Surgery</i> , 2015 , 261, 67-71	7.8	178
348	Smith-Lemli-Opitz syndrome: a variable clinical and biochemical phenotype. <i>Journal of Medical Genetics</i> , 1998 , 35, 558-65	5.8	175
347	Mechanisms of action for the medium-chain triglyceride ketogenic diet in neurological and metabolic disorders. <i>Lancet Neurology</i> , 2018 , 17, 84-93	24.1	172
346	A rat decellularized small bowel scaffold that preserves villus-crypt architecture for intestinal regeneration. <i>Biomaterials</i> , 2012 , 33, 3401-10	15.6	163
345	Mutations in SLC39A14 disrupt manganese homeostasis and cause childhood-onset parkinsonism-dystonia. <i>Nature Communications</i> , 2016 , 7, 11601	17.4	160
344	Extracellular matrix hydrogel derived from decellularized tissues enables endodermal organoid culture. <i>Nature Communications</i> , 2019 , 10, 5658	17.4	155
343	Recovery after open versus laparoscopic pyloromyotomy for pyloric stenosis: a double-blind multicentre randomised controlled trial. <i>Lancet</i> , 2009 , 373, 390-8	40	142
342	Peritoneal drainage or laparotomy for neonatal bowel perforation? A randomized controlled trial. <i>Annals of Surgery</i> , 2008 , 248, 44-51	7.8	139
341	Altered cleavage and localization of PINK1 to aggresomes in the presence of proteasomal stress. <i>Journal of Neurochemistry</i> , 2006 , 98, 156-69	6	136
340	Incidentally detected Meckel diverticulum: to resect or not to resect?. <i>Annals of Surgery</i> , 2008 , 247, 276-81	8.8	135
339	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, 300-9	19.2	132

338	Incidence, prevention, and treatment of parenteral nutrition-associated cholestasis and intestinal failure-associated liver disease in infants and children: a systematic review. <i>Journal of Parenteral and Enteral Nutrition</i> , 2014 , 38, 70-85	4.2	123
337	Control of mitochondrial superoxide production by reverse electron transport at complex I. <i>Journal of Biological Chemistry</i> , 2018 , 293, 9869-9879	5.4	119
336	Microbiota-Derived Metabolites Suppress Arthritis by Amplifying Aryl-Hydrocarbon Receptor Activation in Regulatory B Cells. <i>Cell Metabolism</i> , 2020 , 31, 837-851.e10	24.6	113
335	The ketogenic diet component decanoic acid increases mitochondrial citrate synthase and complex I activity in neuronal cells. <i>Journal of Neurochemistry</i> , 2014 , 129, 426-33	6	113
334	Hypercapnia and acidosis during open and thoracoscopic repair of congenital diaphragmatic hernia and esophageal atresia: results of a pilot randomized controlled trial. <i>Annals of Surgery</i> , 2013 , 258, 895-900	7.8	112
333	Hyperglycemia is associated with increased morbidity and mortality rates in neonates with necrotizing enterocolitis. <i>Journal of Pediatric Surgery</i> , 2004 , 39, 898-901; discussion 898-901	2.6	112
332	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, 2380-2	5.5	105
331	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, 134-43	5.3	97
330	International survey on the management of esophageal atresia. <i>European Journal of Pediatric Surgery</i> , 2014 , 24, 3-8	1.9	89
329	Systematic review of the risk of developing a metachronous contralateral inguinal hernia in children. <i>British Journal of Surgery</i> , 2007 , 94, 804-11	5.3	88
328	Efficacy and Safety of Nonoperative Treatment for Acute Appendicitis: A Meta-analysis. <i>Pediatrics</i> , 2017 , 139,	7.4	87
327	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	2.6	83
326	PReS-FINAL-1001: Lymphocytes from the inflamed joint of juvenile idiopathic arthritis patients express reduced levels of cd73 and have a functional defect in adenosine production. <i>Pediatric Rheumatology</i> , 2013 , 11,	3.5	78
325	Intestinal ischemia reperfusion injury and multisystem organ failure. <i>Seminars in Pediatric Surgery</i> , 2004 , 13, 11-7	2.1	77
324	Validation of bioelectrical impedance analysis in adolescents across different ethnic groups. <i>Obesity</i> , 2010 , 18, 1252-9	8	76
323	Royal Australasia of Surgeons Guest Lecture. Necrotizing enterocolitis: prevention, treatment, and outcome. <i>Journal of Pediatric Surgery</i> , 2013 , 48, 2359-67	2.6	73
322	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, 644-51	4.9	71
321	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, 457-65	15.9	70

320	Carbon dioxide elimination during laparoscopy in children is age dependent. <i>Journal of Pediatric Surgery</i> , 2003 , 38, 105-10; discussion 105-10	2.6	67
319	Advanced necrotizing enterocolitis part 1: mortality. <i>European Journal of Pediatric Surgery</i> , 2012 , 22, 8-12	1.9	65
318	The clinical significance of thrombocytopenia in neonates with necrotizing enterocolitis. <i>Journal of Pediatric Surgery</i> , 2001 , 36, 799-803	2.6	65
317	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, 2221-5	5.6	64
316	Moderate hypothermia as a rescue therapy against intestinal ischemia and reperfusion injury in the rat. <i>Critical Care Medicine</i> , 2008 , 36, 1564-72	1.4	64
315	Thoracoscopic repair of congenital diaphragmatic hernia: intraoperative ventilation and recurrence. <i>Journal of Pediatric Surgery</i> , 2010 , 45, 355-9	2.6	63
314	Assessment of a neonatal rat model of necrotizing enterocolitis. <i>European Journal of Pediatric Surgery</i> , 2008 , 18, 423-6	1.9	63
313	A novel starch for the treatment of glycogen storage diseases. <i>Journal of Inherited Metabolic Disease</i> , 2007 , 30, 350-7	5.4	62
312	Current Research on the Epidemiology, Pathogenesis, and Management of Necrotizing Enterocolitis. <i>Neonatology</i> , 2017 , 111, 423-430	4	61
311	Quantitation of acyl-CoA and acylcarnitine esters accumulated during abnormal mitochondrial fatty acid oxidation. <i>Journal of Biological Chemistry</i> , 1991 , 266, 22932-8	5.4	60
310	Validation of BIA in obese children and adolescents and re-evaluation in a longitudinal study. <i>Obesity</i> , 2009 , 17, 2245-50	8	59
309	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, 555-64	5.6	59
308	Urinary intestinal fatty acid-binding protein concentration predicts extent of disease in necrotizing enterocolitis. <i>Journal of Pediatric Surgery</i> , 2010 , 45, 735-40	2.6	58
307	Quantitation of acyl-CoA and acylcarnitine esters accumulated during abnormal mitochondrial fatty acid oxidation.. <i>Journal of Biological Chemistry</i> , 1991 , 266, 22932-22938	5.4	57
306	Free radical scavenging inhibits STAT phosphorylation following in vivo ischemia/reperfusion injury. <i>FASEB Journal</i> , 2006 , 20, 2115-7	0.9	56
305	Hyperinsulinism of infancy associated with a novel splice site mutation in the SCHAD gene. <i>Journal of Pediatrics</i> , 2005 , 146, 706-8	3.6	56
304	The mitochondrial trifunctional protein: centre of a beta-oxidation metabolon?. <i>Biochemical Society Transactions</i> , 2000 , 28, 177-82	5.1	56
303	Microglial neurotransmitter receptors trigger superoxide production in microglia; consequences for microglial-neuronal interactions. <i>Journal of Neurochemistry</i> , 2012 , 121, 287-301	6	55

302	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, F152-5	4.7	54
301	International survey on the management of necrotizing enterocolitis. <i>European Journal of Pediatric Surgery</i> , 2015 , 25, 27-33	1.9	52
300	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, 6638-48	15.6	52
299	Hypothermia throughout intestinal ischaemia-reperfusion injury attenuates lung neutrophil infiltration. <i>Journal of Pediatric Surgery</i> , 2003 , 38, 88-91; discussion 88-91	2.6	52
298	Optimization of Liver Decellularization Maintains Extracellular Matrix Micro-Architecture and Composition Predisposing to Effective Cell Seeding. <i>PLoS ONE</i> , 2016 , 11, e0155324	3.7	52
297	Detergent enzymatic treatment for the development of a natural acellular matrix for oesophageal regeneration. <i>Pediatric Surgery International</i> , 2013 , 29, 87-95	2.1	51
296	Esophageal tissue engineering: a new approach for esophageal replacement. <i>World Journal of Gastroenterology</i> , 2012 , 18, 6900-7	5.6	50
295	Mild controlled hypothermia in preterm neonates with advanced necrotizing enterocolitis. <i>Pediatrics</i> , 2010 , 125, e300-8	7.4	49
294	A review of conservative treatment of acute appendicitis. <i>European Journal of Pediatric Surgery</i> , 2012 , 22, 185-94	1.9	49
293	Amniotic fluid stem cell migration after intraperitoneal injection in pup rats: implication for therapy. <i>Pediatric Surgery International</i> , 2010 , 26, 79-84	2.1	49
292	Selenium in critical illness. <i>Current Opinion in Critical Care</i> , 2006 , 12, 136-41	3.5	48
291	Moderate hypothermia protects against systemic oxidative stress in a rat model of intestinal ischemia and reperfusion injury. <i>Shock</i> , 2005 , 24, 159-64	3.4	48
290	National prospective surveillance study of necrotizing enterocolitis in neonatal intensive care units. <i>Journal of Pediatric Surgery</i> , 2010 , 45, 1391-7	2.6	47
289	Fortified complementary foods with or without alpha-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, 1094-103	7	46
288	Risk of incomplete pyloromyotomy and mucosal perforation in open and laparoscopic pyloromyotomy. <i>Journal of Pediatric Surgery</i> , 2014 , 49, 1083-6	2.6	45
287	Glutamine and glutathione counteract the inhibitory effects of mediators of sepsis in neonatal hepatocytes. <i>Journal of Pediatric Surgery</i> , 2001 , 36, 282-6	2.6	44
286	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, 209-16	7.8	43
285	Evaluation of DXA against the four-component model of body composition in obese children and adolescents aged 5-21 years. <i>International Journal of Obesity</i> , 2010 , 34, 649-55	5.5	43

284	Surgical repair of incarcerated inguinal hernia in children: laparoscopic or open?. <i>European Journal of Pediatric Surgery</i> , 2011 , 21, 8-11	1.9	43
283	Energy metabolism of infants and children with systemic inflammatory response syndrome and sepsis. <i>Annals of Surgery</i> , 2001 , 233, 581-7	7.8	43
282	Multi-stage bioengineering of a layered oesophagus with in vitro expanded muscle and epithelial adult progenitors. <i>Nature Communications</i> , 2018 , 9, 4286	17.4	43
281	The predictive value of preoperative fluorine-18-L-3,4-dihydroxyphenylalanine positron emission tomography-computed tomography scans in children with congenital hyperinsulinism of infancy. <i>Journal of Pediatric Surgery</i> , 2011 , 46, 204-8	2.6	42
280	Multiple biochemical effects in the pathogenesis of alcoholic fatty liver. <i>European Journal of Clinical Investigation</i> , 1997 , 27, 719-22	4.6	42
279	Intermediates of peroxisomal beta-oxidation. A study of the fatty acyl-CoA esters which accumulate during peroxisomal beta-oxidation of [U-14C]hexadecanoate. <i>Biochemical Journal</i> , 1990 , 270, 175-80	3.8	41
278	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	2.6	40
277	Metabolic response to surgery in infants and children. <i>European Journal of Pediatric Surgery</i> , 2009 , 19, 275-85	1.9	40
276	Is early delivery beneficial in gastroschisis?. <i>Journal of Pediatric Surgery</i> , 2014 , 49, 928-33; discussion 933-4	2.6	39
275	Duhamel pull-through for Hirschsprung disease: a comparison of open and laparoscopic techniques. <i>Journal of Pediatric Surgery</i> , 2012 , 47, 308-12	2.6	39
274	Inflammatory response in children after laparoscopic vs open Nissen fundoplication: randomized controlled trial. <i>Journal of Pediatric Surgery</i> , 2005 , 40, 908-13; discussion 913-4	2.6	38
273	Short-chain 3-hydroxyacyl-CoA dehydrogenase deficiency associated with hyperinsulinism: a novel glucose-fatty acid cycle?. <i>Biochemical Society Transactions</i> , 2003 , 31, 1137-9	5.1	38
272	Early full blood count and severity of disease in neonates with necrotizing enterocolitis. <i>Pediatric Surgery International</i> , 2003 , 19, 376-9	2.1	37
271	Decellularised skeletal muscles allow functional muscle regeneration by promoting host cell migration. <i>Scientific Reports</i> , 2018 , 8, 8398	4.9	37
270	Gastroschisis with intestinal atresia--predictive value of antenatal diagnosis and outcome of postnatal treatment. <i>Journal of Pediatric Surgery</i> , 2012 , 47, 322-8	2.6	36
269	Free radical formation in infants: the effect of critical illness, parenteral nutrition, and enteral feeding. <i>Journal of Pediatric Surgery</i> , 1999 , 34, 1091-5	2.6	36
268	Tissue engineering of the esophagus. <i>Seminars in Pediatric Surgery</i> , 2014 , 23, 127-34	2.1	35
267	Morbidity after ganglioneuroma excision: is surgery necessary?. <i>European Journal of Pediatric Surgery</i> , 2011 , 21, 33-7	1.9	35

266	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, 73-9	7	35
265	European Paediatric Surgeons Association Survey on the Management of Hirschsprung Disease. <i>European Journal of Pediatric Surgery</i> , 2017 , 27, 96-101	1.9	34
264	Four year follow-up of a randomised controlled trial comparing open and laparoscopic Nissen fundoplication in children. <i>Archives of Disease in Childhood</i> , 2014 , 99, 516-21	2.2	34
263	Intestinal failure-associated liver disease in surgical infants requiring long-term parenteral nutrition. <i>Journal of Pediatric Surgery</i> , 2012 , 47, 359-62	2.6	34
262	Gastrostomy insertion in children: percutaneous endoscopic or percutaneous image-guided?. <i>Journal of Pediatric Surgery</i> , 2010 , 45, 1153-8	2.6	34
261	Metabolism and nutrition in the surgical neonate. <i>Seminars in Pediatric Surgery</i> , 2008 , 17, 276-84	2.1	34
260	Impaired Wnt/ β -catenin pathway leads to dysfunction of intestinal regeneration during necrotizing enterocolitis. <i>Cell Death and Disease</i> , 2019 , 10, 743	9.8	33
259	Outcome reporting in randomised controlled trials and meta-analyses of appendicitis treatments in children: a systematic review. <i>Trials</i> , 2015 , 16, 275	2.8	33
258	Primary bladder exstrophy closure in neonates: challenging the traditions. <i>Journal of Urology</i> , 2014 , 191, 193-7	2.5	33
257	A systematic review of serologic tests in the diagnosis of necrotizing enterocolitis. <i>Journal of Pediatric Surgery</i> , 2009 , 44, 2192-201	2.6	33
256	Absorption of carbon dioxide during laparoscopy in children measured using a novel mass spectrometric technique. <i>British Journal of Anaesthesia</i> , 2006 , 97, 215-9	5.4	32
255	Peritoneal drainage does not stabilize extremely low birth weight infants with perforated bowel: data from the NET Trial. <i>Journal of Pediatric Surgery</i> , 2010 , 45, 324-8; discussion 328-9	2.6	31
254	Adequacy of milk intake during exclusive breastfeeding: a longitudinal study. <i>Pediatrics</i> , 2011 , 128, e907-14	7.14	31
253	The metabolic response to intravenous medium-chain triglycerides in infants after surgery. <i>Journal of Pediatrics</i> , 2002 , 141, 689-94	3.6	31
252	Engineering transplantable jejunal mucosal grafts using patient-derived organoids from children with intestinal failure. <i>Nature Medicine</i> , 2020 , 26, 1593-1601	50.5	31
251	New targets of urocortin-mediated cardioprotection. <i>Journal of Molecular Endocrinology</i> , 2010 , 45, 69-85	4.5	30
250	Factors predicting failure of redo Nissen fundoplication in children. <i>Pediatric Surgery International</i> , 2007 , 23, 499-503	2.1	30
249	Laparoscopic surgery in children is associated with an intraoperative hypermetabolic response. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2006 , 20, 452-7	5.2	30

248	Mitochondrial fatty acid beta-oxidation in the retinal pigment epithelium. <i>Pediatric Research</i> , 2002 , 52, 595-600	3.2	30
247	The effect of respiratory chain impairment of beta-oxidation in rat heart mitochondria. <i>Biochemical Journal</i> , 1996 , 319 (Pt 2), 633-40	3.8	30
246	Long-term cryopreservation of decellularised oesophagi for tissue engineering clinical application. <i>PLoS ONE</i> , 2017 , 12, e0179341	3.7	30
245	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	6.4	29
244	A decellularization methodology for the production of a natural acellular intestinal matrix. <i>Journal of Visualized Experiments</i> , 2013 ,	1.6	29
243	Captopril reduces the severity of bowel damage in a neonatal rat model of necrotizing enterocolitis. <i>Journal of Pediatric Surgery</i> , 2008 , 43, 308-14	2.6	29
242	Intramitochondrial control of the oxidation of hexadecanoate in skeletal muscle. A study of the acyl-CoA esters which accumulate during rat skeletal-muscle mitochondrial beta-oxidation of [U-14C]hexadecanoate and [U-14C]hexadecanoyl-carnitine. <i>Biochemical Journal</i> , 1993 , 289 (Pt 1), 161-8	3.8	29
241	Redox control of beta-oxidation in rat liver mitochondria. <i>FEBS Journal</i> , 1994 , 220, 671-81		29
240	A patient led, international study of long term outcomes of esophageal atresia: EAT 1. <i>Journal of Pediatric Surgery</i> , 2018 , 53, 610-615	2.6	28
239	Human amniotic fluid stem cell differentiation along smooth muscle lineage. <i>FASEB Journal</i> , 2013 , 27, 4853-65	0.9	28
238	The biochemical basis of antioxidant therapy in critical illness. <i>Proceedings of the Nutrition Society</i> , 2006 , 65, 242-9	2.9	28
237	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,	2.4	27
236	Cost-effectiveness of laparoscopic versus open pyloromyotomy. <i>Journal of Surgical Research</i> , 2012 , 178, 315-20	2.5	27
235	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	7	26
234	Effect of sodium deficiency on growth of surgical infants: a retrospective observational study. <i>Pediatric Surgery International</i> , 2014 , 30, 1279-84	2.1	26
233	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	4.2	26
232	Surgery for hydrocele in children-an avoidable excess?. <i>Journal of Pediatric Surgery</i> , 2011 , 46, 2401-5	2.6	26
231	Hepatocyte mitochondrial metabolism is inhibited in neonatal rat endotoxaemia: effects of glutamine. <i>Clinical Science</i> , 2002 , 102, 337-344	6.5	26

230	Carnitine palmitoyl transferase I and the control of beta-oxidation in heart mitochondria. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 285, 537-9	3.4	25
229	Lipid peroxidation can be reduced in infants on total parenteral nutrition by promoting fat utilisation. <i>Journal of Pediatric Surgery</i> , 1999 , 34, 255-9	2.6	25
228	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, 545-54	9.5	24
227	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, 473-83	2.1	24
226	Recurrence rate of Morgagni diaphragmatic hernia following laparoscopic repair. <i>Pediatric Surgery International</i> , 2013 , 29, 185-9	2.1	24
225	Randomized clinical trial of glutamine-supplemented versus standard parenteral nutrition in infants with surgical gastrointestinal disease. <i>British Journal of Surgery</i> , 2012 , 99, 929-38	5.3	24
224	Energy expenditure compared to physical activity measured by accelerometry and self-report in adolescents: a validation study. <i>PLoS ONE</i> , 2013 , 8, e77036	3.7	24
223	Chlorhexidine antiseptics significantly reduces the incidence of sepsis and septicemia during parenteral nutrition in surgical infants. <i>Journal of Pediatric Surgery</i> , 2011 , 46, 1064-9	2.6	24
222	The cardioprotective effect of urocortin during ischaemia/reperfusion involves the prevention of mitochondrial damage. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 321, 479-86	3.4	24
221	Nitric oxide inhibits neonatal hepatocyte oxidative metabolism. <i>Journal of Pediatric Surgery</i> , 2000 , 35, 44-8	2.6	24
220	Mitochondrial Fatty Acid beta-Oxidation in the Retinal Pigment Epithelium. <i>Pediatric Research</i> , 2002 , 52, 595-600	3.2	24
219	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	3.2	23
218	Gastric emptying is accelerated following laparoscopic Nissen fundoplication. <i>European Journal of Pediatric Surgery</i> , 2008 , 18, 395-7	1.9	23
217	Myocardial carnitine palmitoyltransferase I as a target for oxidative modification in inflammation and sepsis. <i>Biochemical Society Transactions</i> , 2003 , 31, 1133-6	5.1	23
216	Carnitine palmitoyl transferase I and the control of myocardial beta-oxidation flux. <i>Biochemical Society Transactions</i> , 2001 , 29, 245-249	5.1	23
215	An HPLC assay for sn-1,2-diacylglycerol. <i>Clinica Chimica Acta</i> , 1995 , 234, 71-8	6.2	23
214	Stem cells as a potential therapy for necrotizing enterocolitis. <i>Expert Opinion on Biological Therapy</i> , 2013 , 13, 1683-9	5.4	22
213	Outcomes following laparoscopic inguinal hernia repair in infants compared with older children. <i>Pediatric Surgery International</i> , 2012 , 28, 1165-9	2.1	22

212	Surgery in children with Crohn disease refractory to medical therapy. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2011 , 52, 286-90	2.8	22
211	Heart energy metabolism after intestinal ischaemia and reperfusion. <i>Journal of Pediatric Surgery</i> , 2004 , 39, 179-83; discussion 179-83	2.6	22
210	Neonatal oxidative liver metabolism: effects of hydrogen peroxide, a putative mediator of septic damage. <i>Journal of Pediatric Surgery</i> , 1999 , 34, 1107-11	2.6	22
209	Intraoperative acidosis and hypercapnia during thoracoscopic repair of congenital diaphragmatic hernia and esophageal atresia/tracheoesophageal fistula. <i>Paediatric Anaesthesia</i> , 2017 , 27, 841-848	1.8	21
208	beta-Oxidation in human alcoholic and non-alcoholic hepatic steatosis. <i>Clinical Science</i> , 1996 , 90, 307-13	6.5	21
207	Current research in necrotizing enterocolitis. <i>Early Human Development</i> , 2016 , 97, 33-9	2.2	21
206	Effect of gestational age at birth on neonatal outcomes in gastroschisis. <i>Journal of Pediatric Surgery</i> , 2016 , 51, 734-8	2.6	20
205	Intestinal epithelial cell injury is rescued by hydrogen sulfide. <i>Journal of Pediatric Surgery</i> , 2016 , 51, 775-8	8.6	20
204	The role of parenteral nutrition following surgery for duodenal atresia or stenosis. <i>Pediatric Surgery International</i> , 2013 , 29, 191-5	2.1	20
203	Amniotic fluid stem cells prevent development of ascites in a neonatal rat model of necrotizing enterocolitis. <i>European Journal of Pediatric Surgery</i> , 2014 , 24, 57-60	1.9	20
202	Control of mitochondrial beta-oxidation: sensitivity of the trifunctional protein to [NAD ⁺]/[NADH] and [acetyl-CoA]/[CoA]. <i>BBA - Proteins and Proteomics</i> , 1998 , 1429, 230-8		20
201	Nonoperative Treatment Versus Appendectomy for Acute Nonperforated Appendicitis in Children: Five-year Follow Up of a Randomized Controlled Pilot Trial. <i>Annals of Surgery</i> , 2020 , 271, 1030-1035	7.8	20
200	Outcome after introduction of laparoscopic appendectomy in children: A cohort study. <i>Journal of Pediatric Surgery</i> , 2016 , 51, 449-53	2.6	19
199	Outcomes of diverting jejunostomy for severe necrotizing enterocolitis. <i>Journal of Pediatric Surgery</i> , 2011 , 46, 1041-4	2.6	19
198	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	2.1	19
197	Active observation versus interval appendectomy after successful non-operative treatment of an appendix mass in children (CHINA study): an open-label, randomised controlled trial. <i>The Lancet Gastroenterology and Hepatology</i> , 2017 , 2, 253-260	18.8	18
196	State of Play: Eight Decades of Surgery for Esophageal Atresia. <i>European Journal of Pediatric Surgery</i> , 2019 , 29, 39-48	1.9	18
195	Trends in the treatment and outcome of congenital diaphragmatic hernia over the last decade. <i>Pediatric Surgery International</i> , 2012 , 28, 1177-81	2.1	18

194	Remote ischemic conditioning counteracts the intestinal damage of necrotizing enterocolitis by improving intestinal microcirculation. <i>Nature Communications</i> , 2020 , 11, 4950	17.4	18
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38	Regional cerebral and splanchnic tissue oxygen saturation in preterm infants - Longitudinal normative measurements.. <i>Early Human Development</i> , 2022 , 165, 105540	2.2	0
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