David J Hackam

List of Publications by Year
in descending order

193	13,157	17776 65	31191 106
papers	citations	h-index	g-index

197	197	197	13727
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Galectin-4 as a Novel Biomarker of Neonatal Intestinal Injury. Digestive Diseases and Sciences, 2022, 67, 863-871.	1.1	3
2	The administration of a pre-digested fat-enriched formula prevents necrotising enterocolitis-induced lung injury in mice. British Journal of Nutrition, 2022, 128, 1050-1063.	1.2	4
3	Acute Severe Acute Respiratory Syndrome Coronavirus 2 Infection in Pregnancy Is Associated with Placental Angiotensin-Converting Enzyme 2 Shedding. American Journal of Pathology, 2022, 192, 595-603.	1.9	10
4	Bench to bedside â€" new insights into the pathogenesis of necrotizing enterocolitis. Nature Reviews Gastroenterology and Hepatology, 2022, 19, 468-479.	8.2	58
5	Anemia, blood transfusions, and necrotizing enterocolitis in premature infants. Pediatric Research, 2022, 91, 1317-1319.	1.1	1
6	In vivo phenotyping of the microvasculature in necrotizing enterocolitis with multicontrast optical imaging. Microcirculation, 2022, 29, e12768.	1.0	6
7	The administration of amnion-derived multipotent cell secretome ST266 protects against necrotizing enterocolitis in mice and piglets. American Journal of Physiology - Renal Physiology, 2022, 323, G265-G282.	1.6	5
8	The human milk oligosaccharides 2â€™-fucosyllactose and 6â€™-sialyllactose protect against the development of necrotizing enterocolitis by inhibiting toll-like receptor 4 signaling. Pediatric Research, 2021, 89, 91-101.	1.1	109
9	Insights image for â€œThe human milk oligosaccharides 2â€™-fucosyllactose and 6â€™-sialyllactose protect against the development of necrotizing enterocolitis by inhibiting toll-like receptor 4 signaling.â€• Pediatric Research, 2021, 89, 248-248.	1.1	4
10	Maternal aryl hydrocarbon receptor activation protects newborns against necrotizing enterocolitis. Nature Communications, 2021, 12, 1042.	5.8	42
11	Prenatal Immunity and Influences on Necrotizing Enterocolitis and Associated Neonatal Disorders. Frontiers in Immunology, 2021, 12, 650709.	2.2	11
12	Age-dependent regulation of SARS-CoV-2 cell entry genes and cell death programs correlates with COVID-19 severity. Science Advances, 2021, 7, .	4.7	49
13	Toll-like receptor 4â€“mediated enteric glia loss is critical for the development of necrotizing enterocolitis. Science Translational Medicine, 2021, 13, eabg3459.	5.8	35
14	Necrotizing enterocolitis induces T lymphocyteâ€“mediated injury in the developing mammalian brain. Science Translational Medicine, 2021, 13, .	5.8	48
15	A Novel Role for Necroptosis in the Pathogenesis of Necrotizing Enterocolitis. Cellular and Molecular Gastroenterology and Hepatology, 2020, 9, 403-423.	2.3	64
16	A Comparison of Sterilization Techniques for Production of Decellularized Intestine in Mice. Tissue Engineering - Part C: Methods, 2020, 26, 67-79.	1.1	13
17	A Central Role for Lipocalin-2 in the Adaptation to Short-Bowel Syndrome Through Down-Regulation of IL22 in Mice. Cellular and Molecular Gastroenterology and Hepatology, 2020, 10, 309-326.	2.3	2
18	The role of in utero endotoxin exposure in the development of inflammatory bowel disease in mice. American Journal of Reproductive Immunology, 2020, 84, e13302.	1.2	1

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19	A Master Class in Shock Research. Shock, 2020, 53, 574.	1.0	1
20	Dysregulated Mucosal Immunity and Associated Pathogeneses in Preterm Neonates. Frontiers in Immunology, 2020, 11, 899.	2.2	21
21	Normative values for circulating intestinal fatty acid binding protein and calprotectin across gestational ages. BMC Pediatrics, 2020, 20, 250.	0.7	7
22	Precision-based modeling approaches for necrotizing enterocolitis. DMM Disease Models and Mechanisms, 2020, 13, .	1.2	26
23	New insights into necrotizing enterocolitis: From laboratory observation to personalized prevention and treatment. Journal of Pediatric Surgery, 2019, 54, 398-404.	0.8	63
24	The Pediatric Surgeonâ€“Scientist: Succeeding in Today's Academic Environment. Journal of Surgical Research, 2019, 244, 502-508.	0.8	7
25	Toll Like Receptor 4 Mediated Lymphocyte Imbalance Induces Nec-Induced Lung Injury. Shock, 2019, 52, 215-223.	1.0	21
26	Interleukin 22 disrupts pancreatic function in newborn mice expressing IL-23. Nature Communications, 2019, 10, 4517.	5.8	8
27	A Dynamic Variation of Pulmonary ACE2 Is Required to Modulate Neutrophilic Inflammation in Response to Pseudomonas aeruginosa Lung Infection in Mice. Journal of Immunology, 2019, 203, 3000-3012.	0.4	94
28	Generating an Artificial Intestine for the Treatment of Short Bowel Syndrome. Gastroenterology Clinics of North America, 2019, 48, 585-605.	1.0	7
29	Challenges in Diagnosis and Management of Pancreatic Inflammatory Myofibroblastic Tumors in Children. Pancreas, 2019, 48, e27-e29.	0.5	5
30	A Roadmap for Aspiring Surgeon-Scientists in Today's Healthcare Environment. Annals of Surgery, 2019, 269, 66-72.	2.1	74
31	The recruitment of extra-intestinal cells to the injured mucosa promotes healing in radiation enteritis and chemical colitis in a mouse parabiosis model. Mucosal Immunology, 2019, 12, 503-517.	2.7	8
32	Development of Intestinal Scaffolds that Mimic Native Mammalian Intestinal Tissue. Tissue Engineering - Part A, 2019, 25, 1225-1241.	1.6	15
33	Innate Sensing through Mesenchymal TLR4/MyD88 Signals Promotes Spontaneous Intestinal Tumorigenesis. Cell Reports, 2019, 26, 536-545.e4.	2.9	38
34	Toll-Like Receptorâ€“Mediated Intestinal Inflammatory Imbalance in the Pathogenesis of Necrotizing Enterocolitis. Cellular and Molecular Gastroenterology and Hepatology, 2018, 6, 229-238.e1.	2.3	120
35	The Development of Newborn Porcine Models for Evaluation of Tissue-Engineered Small Intestine. Tissue Engineering - Part C: Methods, 2018, 24, 331-345.	1.1	14
36	Early detection of necrotizing enterocolitis using broadband optical spectroscopy. Journal of Pediatric Surgery, 2018, 53, 1192-1196.	0.8	10

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37	The neonatal window of opportunityâ€"early priming for life. Journal of Allergy and Clinical Immunology, 2018, 141, 1212-1214.	1.5	87
38	Human Fetal Enterospheres: New Tools for the Study of Necrotizing Enterocolitis. Cellular and Molecular Gastroenterology and Hepatology, 2018, 5, 651.	2.3	0
39	Abdominal near-infrared spectroscopy in a piglet model of gastrointestinal hypoxia produced by graded hypoxia or superior mesenteric artery ligation. Pediatric Research, 2018, 83, 1172-1181.	1.1	6
40	Attenuation of pulmonary ACE2 activity impairs inactivation of des-Arg⁹bradykinin/BKB1R axis and facilitates LPS-induced neutrophil infiltration. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 314, L17-L31.	1.3	304
41	Tissue engineering for the treatment of short bowel syndrome in children. Pediatric Research, 2018, 83, 249-257.	1.1	32
42	Necrotizing enterocolitis: Pathophysiology from a historical context. Seminars in Pediatric Surgery, 2018, 27, 11-18.	0.5	101
43	Scholarly Research Projects Benefit Medical Studentsâ€™ Research Productivity and Residency Choice: Outcomes From the University of Pittsburgh School of Medicine. Academic Medicine, 2018, 93, 1727-1731.	0.8	32
44	Solid Pseudopapillary Neoplasm of the Pancreas in a Young Pediatric Patient. Pancreas, 2018, 47, 1364-1368.	0.5	24
45	Cognitive impairments induced by necrotizing enterocolitis can be prevented by inhibiting microglial activation in mouse brain. Science Translational Medicine, 2018, 10, .	5.8	89
46	Fat composition in infant formula contributes to the severity of necrotising enterocolitis. British Journal of Nutrition, 2018, 120, 665-680.	1.2	26
47	Contrast-Enhanced Ultrasound and Near-Infrared Spectroscopy of the Neonatal Bowel: Novel, Bedside, Noninvasive, and Radiation-Free Imaging for Early Detection of Necrotizing Enterocolitis. American Journal of Perinatology, 2018, 35, 1358-1365.	0.6	27
48	Enhanced Calvarial Bone Healing in CD11c-TLR4â^'/â^' and MyD88â^'/â^' Mice. Plastic and Reconstructive Surgery, 2017, 139, 933e-940e.	0.7	4
49	Retinoic Acid Improves Incidence and Severity of Necrotizing Enterocolitis by Lymphocyte Balance Restitution and Repopulation of LGR5+ Intestinal Stem Cells. Shock, 2017, 47, 22-32.	1.0	35
50	Myocardial oxidative stress correlates with left ventricular dysfunction on strain echocardiography in a rodent model of sepsis. Intensive Care Medicine Experimental, 2017, 5, 21.	0.9	41
51	The Future of Basic Science in Academic Surgery. Annals of Surgery, 2017, 265, 1053-1059.	2.1	139
52	Pediatric choledochal cysts: diagnosis and current management. Pediatric Surgery International, 2017, 33, 637-650.	0.6	100
53	Genetic and Pharmacologic Manipulation of TLR4 Has Minimal Impact on Ethanol Consumption in Rodents. Journal of Neuroscience, 2017, 37, 1139-1155.	1.7	72
54	Microscale Bioreactors for in situ characterization of GI epithelial cell physiology. Scientific Reports, 2017, 7, 12515.	1.6	55

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55	TLR4 Inactivation in Myeloid Cells Accelerates Bone Healing of a Calvarial Defect Model in Mice. Plastic and Reconstructive Surgery, 2017, 140, 296e-306e.	0.7	14
56	Bioscaffold-mediated mucosal remodeling following short-segment colonic mucosal resection. Journal of Surgical Research, 2017, 218, 353-360.	0.8	3
57	Pancreatic surgery for tumors in children and adolescents. Pediatric Surgery International, 2016, 32, 779-788.	0.6	26
58	Generation of an artificial intestine for the management of short bowel syndrome. Current Opinion in Organ Transplantation, 2016, 21, 178-185.	0.8	7
59	The human milk oligosaccharide 2â€²-fucosyllactose attenuates the severity of experimental necrotising enterocolitis by enhancing mesenteric perfusion in the neonatal intestine. British Journal of Nutrition, 2016, 116, 1175-1187.	1.2	145
60	Necrotizing enterocolitis: new insights into pathogenesis and mechanisms. Nature Reviews Gastroenterology and Hepatology, 2016, 13, 590-600.	8.2	381
61	Pulmonary Epithelial TLR4 Activation Leads to Lung Injury in Neonatal Necrotizing Enterocolitis. Journal of Immunology, 2016, 197, 859-871.	0.4	39
62	Toll-like Receptor 4 Signaling on Dendritic Cells Suppresses Polymorphonuclear Leukocyte CXCR2 Expression and Trafficking via Interleukin 10 During Intra-abdominal Sepsis. Journal of Infectious Diseases, 2016, 213, 1280-1288.	1.9	24
63	Peroxisome Proliferator-activated Receptor-Î³ Coactivator 1-Î± (PGC1Î±) Protects against Experimental Murine Colitis. Journal of Biological Chemistry, 2016, 291, 10184-10200.	1.6	65
64	Intestinal stem cell growth and differentiation on a tubular scaffold with evaluation in small and large animals. Regenerative Medicine, 2016, 11, 45-61.	0.8	81
65	Whatâ€™s New in Shock? JUNE 2015. Shock, 2015, 43, 519-521.	1.0	0
66	The dawn of the third renaissance in surgery. Surgery, 2015, 158, 317-322.	1.0	0
67	Myocyte TLR4 enhances enteric and systemic inflammation driving late murine endotoxic ileus. American Journal of Physiology - Renal Physiology, 2015, 308, G852-G862.	1.6	6
68	Breast milk protects against the development of necrotizing enterocolitis through inhibition of Toll-like receptor 4 in the intestinal epithelium via activation of the epidermal growth factor receptor. Mucosal Immunology, 2015, 8, 1166-1179.	2.7	175
69	Intestinal Epithelial TLR-4 Activation Is Required for the Development of Acute Lung Injury after Trauma/Hemorrhagic Shock via the Release of HMGB1 from the Gut. Journal of Immunology, 2015, 194, 4931-4939.	0.4	64
70	HMGB1-Driven Inflammation and Intimal Hyperplasia After Arterial Injury Involves Cell-Specific Actions Mediated by TLR4. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 2579-2593.	1.1	62
71	Synthesis of anti -inflammatory Î±-and Î²-linked acetamidopyranosides as inhibitors of toll-like receptor 4 (TLR4). Tetrahedron Letters, 2015, 56, 3097-3100.	0.7	30
72	Toll-like receptor 4â€“mediated lymphocyte influx induces neonatal necrotizing enterocolitis. Journal of Clinical Investigation, 2015, 126, 495-508.	3.9	185

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73	Prostaglandin-dependent modulation of dopaminergic neurotransmission elicits inflammation-induced aversion in mice. Journal of Clinical Investigation, 2015, 126, 695-705.	3.9	56
74	Letter to the editor: Rebuttal. Journal of Pediatric Surgery, 2014, 49, 1872.	0.8	0
75	Synthetic small intestinal scaffolds for improved studies of intestinal differentiation. Biotechnology and Bioengineering, 2014, 111, 1222-1232.	1.7	119
76	Genetic Deletion of Toll-Like Receptor 4 on Platelets Attenuates Experimental Pulmonary Hypertension. Circulation Research, 2014, 114, 1596-1600.	2.0	56
77	Toll-like receptor regulation of intestinal development and inflammation in the pathogenesis of necrotizing enterocolitis. Pathophysiology, 2014, 21, 81-93.	1.0	95
78	Lactobacillus rhamnosus HN001 decreases the severity of necrotizing enterocolitis in neonatal mice and preterm piglets: evidence in mice for a role of TLR9. American Journal of Physiology - Renal Physiology, 2014, 306, G1021-G1032.	1.6	103
79	Toll-Like Receptor 4 Regulates Platelet Function and Contributes to Coagulation Abnormality and Organ Injury in Hemorrhagic Shock and Resuscitation. Circulation: Cardiovascular Genetics, 2014, 7, 615-624.	5.1	51
80	Animal models of gastrointestinal and liver diseases. Animal models of necrotizing enterocolitis: pathophysiology, translational relevance, and challenges. American Journal of Physiology - Renal Physiology, 2014, 306, G917-G928.	1.6	79
81	A novel scoring system to predict the development of necrotizing enterocolitis totalis in premature infants. Journal of Pediatric Surgery, 2014, 49, 1053-1056.	0.8	28
82	Evidence-based feeding strategies before and after the development of necrotizing enterocolitis. Expert Review of Clinical Immunology, 2014, 10, 875-884.	1.3	55
83	Toll-like Receptor 4-mediated Endoplasmic Reticulum Stress in Intestinal Crypts Induces Necrotizing Enterocolitis. Journal of Biological Chemistry, 2014, 289, 9584-9599.	1.6	141
84	Mucosa-Associated Bacterial Diversity in Necrotizing Enterocolitis. PLoS ONE, 2014, 9, e105046.	1.1	76
85	A Critical Role for TLR4 Induction of Autophagy in the Regulation of Enterocyte Migration and the Pathogenesis of Necrotizing Enterocolitis. Journal of Immunology, 2013, 190, 3541-3551.	0.4	115
86	Massive congenital lymphatic malformation of the small intestine: Case report and review of the literature. Journal of Pediatric Surgery Case Reports, 2013, 1, 325-327.	0.1	0
87	Preface. Seminars in Pediatric Surgery, 2013, 22, 67-68.	0.5	0
88	Modeling the interactions of bacteria and Toll-like receptor-mediated inflammation in necrotizing enterocolitis. Journal of Theoretical Biology, 2013, 321, 83-99.	0.8	25
89	Mechanisms of gut barrier failure in the pathogenesis of necrotizing enterocolitis: Toll-like receptors throw the switch. Seminars in Pediatric Surgery, 2013, 22, 76-82.	0.5	94
90	Cellular-specific role of toll-like receptor 4 in hepatic ischemia-reperfusion injury in mice. Hepatology, 2013, 58, 374-387.	3.6	107

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91	In vitro and in vivo growth of intestinal stem cells using a novel scaffold in the generation of an artificial intestine. Journal of the American College of Surgeons, 2013, 217, S144-S145.	0.2	1
92	Endothelial TLR4 activation impairs intestinal microcirculatory perfusion in necrotizing enterocolitis via eNOSâ€“NOâ€“nitrite signaling. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9451-9456.	3.3	186
93	Using a continuum model to predict closure time of gaps in intestinal epithelial cell layers. Wound Repair and Regeneration, 2013, 21, 256-265.	1.5	10
94	Lipopolysaccharide Clearance, Bacterial Clearance, and Systemic Inflammatory Responses Are Regulated by Cell Typeâ€“Specific Functions of TLR4 during Sepsis. Journal of Immunology, 2013, 190, 5152-5160.	0.4	165
95	Discovery and Validation of a New Class of Small Molecule Toll-Like Receptor 4 (TLR4) Inhibitors. PLoS ONE, 2013, 8, e65779.	1.1	105
96	Innate Immune Signaling in the Pathogenesis of Necrotizing Enterocolitis. Clinical and Developmental Immunology, 2013, 2013, 1-10.	3.3	68
97	Guts, germs and glucose: understanding the effects of prematurity on the interaction between bacteria and nutrient absorption across the intestine. British Journal of Nutrition, 2012, 108, 571-573.	1.2	2
98	Amniotic fluid inhibits Toll-like receptor 4 signaling in the fetal and neonatal intestinal epithelium. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11330-11335.	3.3	151
99	Toll-like Receptor 4 Is Expressed on Intestinal Stem Cells and Regulates Their Proliferation and Apoptosis via the p53 Up-regulated Modulator of Apoptosis. Journal of Biological Chemistry, 2012, 287, 37296-37308.	1.6	182
100	Cloacal exstrophy variant with intravesical phallus: Further description of anatomy and implications for gender reassignment. Journal of Pediatric Urology, 2012, 8, 426-430.	0.6	5
101	Intestinal Epithelial Toll-Like Receptor 4 Regulates Goblet Cell Development and Is Required for Necrotizing Enterocolitis in Mice. Gastroenterology, 2012, 143, 708-718.e5.	0.6	250
102	Intracellular Heat Shock Protein-70 Negatively Regulates TLR4 Signaling in the Newborn Intestinal Epithelium. Journal of Immunology, 2012, 188, 4543-4557.	0.4	80
103	WNT1-Inducible Signaling Pathway Protein 1 Contributes to Ventilator-Induced Lung Injury. American Journal of Respiratory Cell and Molecular Biology, 2012, 47, 528-535.	1.4	38
104	Novel Role for the Innate Immune Receptor Toll-Like Receptor 4 (TLR4) in the Regulation of the Wnt Signaling Pathway and Photoreceptor Apoptosis. PLoS ONE, 2012, 7, e36560.	1.1	55
105	Continuum Model of Collective Cell Migration in Wound Healing and Colony Expansion. Biophysical Journal, 2011, 100, 535-543.	0.2	107
106	Intestinal Stem Cells and Their Roles During Mucosal Injury and Repair. Journal of Surgical Research, 2011, 167, 1-8.	0.8	39
107	Embryonic mouse blood flow and oxygen correlate with early pancreatic differentiation. Developmental Biology, 2011, 349, 342-349.	0.9	41
108	Danger at the doorstep: Regulation of bacterial translocation across the intestinal barrier by nitric oxide*. Critical Care Medicine, 2011, 39, 2189-2190.	0.4	5

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109	Tension pneumopericardium in an infant. Surgery, 2011, 149, 457-458.	1.0	2
110	The role of innate immune-stimulated epithelial apoptosis during gastrointestinal inflammatory diseases. Cellular and Molecular Life Sciences, 2011, 68, 3623-3634.	2.4	43
111	New Insights Into the Pathogenesis and Treatment of Necrotizing Enterocolitis: Toll-Like Receptors and Beyond. Pediatric Research, 2011, 69, 183-188.	1.1	113
112	Worms, flies and four-legged friends: the applicability of biological models to the understanding of intestinal inflammatory diseases. DMM Disease Models and Mechanisms, 2011, 4, 447-456.	1.2	29
113	Systemic Inflammation and Liver Injury Following Hemorrhagic Shock and Peripheral Tissue Trauma Involve Functional TLR9 Signaling on Bone Marrow-Derived Cells and Parenchymal Cells. Shock, 2011, 35, 164-170.	1.0	39
114	DNA attenuates enterocyte Toll-like receptor 4-mediated intestinal mucosal injury after remote trauma. American Journal of Physiology - Renal Physiology, 2011, 300, G862-G873.	1.6	26
115	Extracellular High Mobility Group Box-1 (HMGB1) Inhibits Enterocyte Migration via Activation of Toll-like Receptor-4 and Increased Cell-Matrix Adhesiveness. Journal of Biological Chemistry, 2010, 285, 4995-5002.	1.6	66
116	Toll-Like Receptor-4 Inhibits Enterocyte Proliferation via Impaired Î²-Catenin Signaling in Necrotizing Enterocolitis. Gastroenterology, 2010, 138, 185-196.	0.6	193
117	Nucleotide-Binding Oligomerization Domain-2 Inhibits Toll-Like Receptor-4 Signaling in the Intestinal Epithelium. Gastroenterology, 2010, 139, 904-917.e6.	0.6	90
118	Endorectal pull-through for Hirschsprung's diseaseâ€"a multicenter, long-term comparison of results: transanal vs transabdominal approach. Journal of Pediatric Surgery, 2010, 45, 1213-1220.	0.8	92
119	Reciprocal Expression and Signaling of TLR4 and TLR9 in the Pathogenesis and Treatment of Necrotizing Enterocolitis. Journal of Immunology, 2009, 182, 636-646.	0.4	210
120	Presence of pneumomediastinum after blunt trauma in children: what does it really mean?. Journal of Pediatric Surgery, 2009, 44, 1322-1327.	0.8	24
121	Hypertrophic pyloric stenosis in newborns younger than 21 days: remodeling the path of surgical intervention. Journal of Pediatric Surgery, 2008, 43, 998-1001.	0.8	35
122	Increased expression and internalization of the endotoxin coreceptor CD14 in enterocytes occur as an early event in the development of experimental necrotizing enterocolitis. Journal of Pediatric Surgery, 2008, 43, 1175-1181.	0.8	23
123	Migrating Cells Retain Gap Junction Plaque Structure and Function. Cell Communication and Adhesion, 2008, 15, 273-288.	1.0	18
124	Comparative Analysis of Chest Tube Thoracostomy and Video-Assisted Thoracoscopic Surgery in Empyema and Parapneumonic Effusion Associated with Pneumonia in Children. Surgical Infections, 2008, 9, 317-323.	0.7	55
125	The role of epithelial Toll-like receptor signaling in the pathogenesis of intestinal inflammation. Journal of Leukocyte Biology, 2008, 83, 493-498.	1.5	160
126	The development of animal models for the study of necrotizing enterocolitis. DMM Disease Models and Mechanisms, 2008, 1, 94-98.	1.2	95

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127	A Role for Connexin43 in Macrophage Phagocytosis and Host Survival after Bacterial Peritoneal Infection. Journal of Immunology, 2008, 181, 8534-8543.	0.4	37
128	Activated macrophages inhibit enterocyte gap junctions via the release of nitric oxide. American Journal of Physiology - Renal Physiology, 2008, 294, G109-G119.	1.6	30
129	Interferon-Î³ inhibits enterocyte migration by reversibly displacing connexin43 from lipid rafts. American Journal of Physiology - Renal Physiology, 2008, 295, G559-G569.	1.6	24
130	No Longer an Innocent Bystander: Epithelial Toll-Like Receptor Signaling in the Development of Mucosal Inflammation. Molecular Medicine, 2008, 14, 645-659.	1.9	160
131	A Critical Role for TLR4 in the Pathogenesis of Necrotizing Enterocolitis by Modulating Intestinal Injury and Repair. Journal of Immunology, 2007, 179, 4808-4820.	0.4	400
132	Hemorrhagic Shock Induces NAD(P)H Oxidase Activation in Neutrophils: Role of HMGB1-TLR4 Signaling. Journal of Immunology, 2007, 178, 6573-6580.	0.4	268
133	Nitric oxide inhibits enterocyte migration through activation of RhoA-GTPase in a SHP-2-dependent manner. American Journal of Physiology - Renal Physiology, 2007, 292, G1347-G1358.	1.6	57
134	Hypoxia causes an increase in phagocytosis by macrophages in a HIF-1Î±-dependent manner. Journal of Leukocyte Biology, 2007, 82, 1257-1265.	1.5	150
135	Systemic inflammation and remote organ injury following trauma require HMGB1. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R1538-R1544.	0.9	199
136	THE ROLE OF THE INTESTINAL BARRIER IN THE PATHOGENESIS OF NECROTIZING ENTEROCOLITIS. Shock, 2007, 27, 124-133.	1.0	191
137	Toll-like receptor 4 plays a role in macrophage phagocytosis during peritoneal sepsis. Journal of Pediatric Surgery, 2007, 42, 927-933.	0.8	41
138	One-Dimensional Elastic Continuum Model of Enterocyte Layer Migration. Biophysical Journal, 2007, 93, 3745-3752.	0.2	28
139	Interferon-Î³ Inhibits Intestinal Restitution by Preventing Gap Junction Communication Between Enterocytes. Gastroenterology, 2007, 132, 2395-2411.	0.6	94
140	Laparotomy versus Peritoneal Drainage for Necrotizing Enterocolitis and Perforation. New England Journal of Medicine, 2006, 354, 2225-2234.	13.9	371
141	An analysis of proctoscopy vs computed tomography scanning in the diagnosis of rectal injuries in children: which is better?. Journal of Pediatric Surgery, 2006, 41, 700-703.	0.8	26
142	Lipopolysaccharide Induces Cyclooxygenase-2 in Intestinal Epithelium via a Noncanonical p38 MAPK Pathway. Journal of Immunology, 2006, 176, 580-588.	0.4	86
143	The Ex Utero Intrapartum Treatment (EXIT) Procedure. JAMA Otolaryngology, 2006, 132, 686.	1.5	21
144	Laparoscopic Appendectomy in Children with Perforated Appendicitis. Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A, 2006, 16, 159-163.	0.5	21

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145	Enterocyte TLR4 Mediates Phagocytosis and Translocation of Bacteria Across the Intestinal Barrier. Journal of Immunology, 2006, 176, 3070-3079.	0.4	440
146	The role of gap junctions in health and disease. Critical Care Medicine, 2005, 33, S535-S538.	0.4	19
147	Mesenteric inflammatory pseudotumor as a cause of abdominal pain in a teenager: presentation and literature review. Pediatric Surgery International, 2005, 21, 497-499.	0.6	18
148	An unusual cause of rectal bleeding and intestinal obstruction in a child with peripheral vascular malformations. Pediatric Surgery International, 2005, 21, 491-493.	0.6	6
149	High-mobility group box 1 protein is an inflammatory mediator in necrotizing enterocolitis: protective effect of the macrophage deactivator semapimod. American Journal of Physiology - Renal Physiology, 2005, 289, G643-G652.	1.6	51
150	Disordered enterocyte signaling and intestinal barrier dysfunction in the pathogenesis of necrotizing enterocolitis. Seminars in Pediatric Surgery, 2005, 14, 49-57.	0.5	131
151	Mechanisms of nitric oxide-mediated intestinal barrier failure in necrotizing enterocolitis. Seminars in Pediatric Surgery, 2005, 14, 159-166.	0.5	67
152	Primary vs delayed surgery for spontaneous pneumothorax in children: which is better?. Journal of Pediatric Surgery, 2005, 40, 166-169.	0.8	62
153	The timing of delivery of infants with gastroschisis influences outcome. Journal of Pediatric Surgery, 2005, 40, 424-428.	0.8	92
154	An Approach to the Writing of a Scientific Manuscript1. Journal of Surgical Research, 2005, 128, 165-167.	0.8	25
155	Increased expression and function of integrins in enterocytes by endotoxin impairs epithelial restitution. Gastroenterology, 2005, 128, 1012-1022.	0.6	78
156	Endotoxin Inhibits Intestinal Epithelial Restitution through Activation of Rho-GTPase and Increased Focal Adhesions. Journal of Biological Chemistry, 2004, 279, 24592-24600.	1.6	129
157	p38 MAP kinase mediates endotoxin-induced expression of cyclooxygenase-2 in enterocytes. Surgery, 2004, 136, 329-335.	1.0	33
158	Endotoxin differentially modulates the basolateral and apical sodium/proton exchangers (NHE) in enterocytes. Surgery, 2004, 136, 375-383.	1.0	29
159	The role of the glutathione antioxidant system in gut barrier failure in a rodent model of experimental necrotizing enterocolitis. Surgery, 2004, 136, 557-566.	1.0	71
160	Diagnosis and outcome of Hirschsprungâ€™s disease: does age really matter?. Pediatric Surgery International, 2004, 20, 319-322.	0.6	49
161	Effect of age on cervical spine injuries in children after motor vehicle collisions: effectiveness of restraint devices. Journal of Pediatric Surgery, 2004, 39, 483-486.	0.8	33
162	Factors influencing survival in newborns with congenital diaphragmatic hernia: the relative role of timing of surgery. Journal of Pediatric Surgery, 2004, 39, 821-824.	0.8	67

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163	How low can you go? Effectiveness and safety of extracorporeal membrane oxygenation in low-birth-weight neonates. Journal of Pediatric Surgery, 2004, 39, 845-847.	0.8	35
164	Mechanisms of Pediatric Trauma Deaths in Canada and the United States: The Role of Firearms. Journal of Trauma, 2004, 56, 1286-1290.	2.3	10
165	H-type congenital tracheoesophageal fistula. American Journal of Surgery, 2003, 185, 599-600.	0.9	11
166	The influence of Downâ€™s syndrome on the management and outcome of children with Hirschsprungâ€™s disease. Journal of Pediatric Surgery, 2003, 38, 946-949.	0.8	44
167	All-terrain vehicle rules and regulations: impact on pediatric mortality. Journal of Pediatric Surgery, 2003, 38, 1284-1286.	0.8	66
168	A Patient With an Epignathus: Management of a Large Oropharyngeal Teratoma in a Newborn. Journal of Craniofacial Surgery, 2003, 14, 468-472.	0.3	40
169	Cellular, Biochemical, and Clinical Aspects of Wound Healing. Surgical Infections, 2002, 3, s23-s35.	0.7	63
170	Utility of radiographic hepatic injury grade in predicting outcome for children after blunt abdominal trauma. Journal of Pediatric Surgery, 2002, 37, 386-389.	0.8	36
171	Cellular, Biochemical, and Clinical Aspects of Wound Healing. Surgical Infections, 2002, 3, 23-35.	0.7	22
172	Indirect Role for COPI in the Completion of FcÎ³ Receptor-mediated Phagocytosis. Journal of Biological Chemistry, 2001, 276, 18200-18208.	1.6	22
173	Effects of Other Intra-abdominal Injuries on the Diagnosis, Management, and Outcome of Small Bowel Trauma. Journal of Trauma, 2000, 49, 606-610.	2.3	33
174	Role of COPI in Phagosome Maturation. Journal of Biological Chemistry, 2000, 275, 15717-15727.	1.6	52
175	The Iron Transport Protein NRAMP2 Is an Integral Membrane Glycoprotein That Colocalizes with Transferrin in Recycling Endosomes. Journal of Experimental Medicine, 1999, 189, 831-841.	4.2	284
176	Snow-related recreational injuries in children: Assessment of morbidity and management strategies. Journal of Pediatric Surgery, 1999, 34, 65-69.	0.8	60
177	Phagosomal acidification mechanisms and functional significance. Advances in Cellular and Molecular Biology of Membranes and Organelles, 1999, , 299-319.	0.3	6
178	Functional Expression of Nramp1 In Vitro in the Murine Macrophage Line RAW264.7. Infection and Immunity, 1999, 67, 2225-2232.	1.0	103
179	Enterocolitis after the surgical treatment of Hirschsprung's disease: Risk factors and financial impact. Journal of Pediatric Surgery, 1998, 33, 830-833.	0.8	108
180	v-SNARE-dependent secretion is required for phagocytosis. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 11691-11696.	3.3	133

#	Article	IF	Citations
181	Host Resistance to Intracellular Infection: Mutation of Natural Resistance-associated Macrophage Protein 1 (Nramp1) Impairs Phagosomal Acidification. Journal of Experimental Medicine, 1998, 188, 351-364.	4.2	200
182	ACETAZOLAMIDE TREATMENT PREVENTS IN VITRO ENDOTOXINSTIMULATED TUMOR NECROSIS FACTOR RELEASE IN MOUSE MACROPHAGES. Shock, 1998, 10, 436-441.	1.0	10
183	Bioavailability of Oral Ciprofloxacin in Early Postsurgical Patients. Archives of Surgery, 1998, 133, 1221.	2.3	11
184	Inhibition of amiloride-sensitive sodium-channel activity in distal lung epithelial cells by nitric oxide. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1998, 274, L378-L387.	1.3	36
185	Rho is Required for the Initiation of Calcium Signaling and Phagocytosis by FcÎ³ Receptors in Macrophages. Journal of Experimental Medicine, 1997, 186, 955-966.	4.2	164
186	Regulation of Phagosomal Acidification. Journal of Biological Chemistry, 1997, 272, 29810-29820.	1.6	139
187	Single-stage repair of Hirschsprung's disease: A comparison of 109 patients over 5 years. Journal of Pediatric Surgery, 1997, 32, 1028-1032.	0.8	51
188	Granulocytic differentiation of HL-60 cells results in spontaneous apoptosis mediated by increased caspase expression. FEBS Letters, 1997, 412, 603-609.	1.3	72
189	Mechanism of Decreased In Vitro Murine Macrophage Cytokine Release After Exposure to Carbon Dioxide. Annals of Surgery, 1997, 226, 179-190.	2.1	160
190	INTRACELLULAR pH REGULATION IN LEUKOCYTES. Shock, 1996, 5, 17-21.	1.0	16
191	Exudative Neutrophils Show Impaired pH Regulation Compared With Circulating Neutrophils. Archives of Surgery, 1996, 131, 1296.	2.3	15
192	Interleukin-1 Increases Vacuolar-type H+-ATPase Activity in Murine Peritoneal Macrophages. Journal of Biological Chemistry, 1996, 271, 2005-2011.	1.6	58
193	Innate Sensing by Mesenchymal TLR4/MyD88 Signals Promotes Spontaneous Intestinal Tumorigenesis. SSRN Electronic Journal, 0, , .	0.4	0