

# Kevin P Mollen

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

3,478  
citations

201575

27  
h-index

223716

46  
g-index

47  
all docs

47  
docs citations

47  
times ranked

5184  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Surgical Infection Society Revised Guidelines on the Management of Intra-Abdominal Infection. <i>Surgical Infections</i> , 2017, 18, 1-76.	0.7	382
2	EMERGING PARADIGM. <i>Shock</i> , 2006, 26, 430-437.	1.0	282
3	Anti-HMGB1 Neutralizing Antibody Ameliorates Gut Barrier Dysfunction and Improves Survival after Hemorrhagic Shock. <i>Molecular Medicine</i> , 2006, 12, 105-114.	1.9	219
4	Ulcerative colitis mucosal transcriptomes reveal mitochondriopathy and personalized mechanisms underlying disease severity and treatment response. <i>Nature Communications</i> , 2019, 10, 38.	5.8	215
5	Systemic inflammation and remote organ injury following trauma require HMGB1. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R1538-R1544.	0.9	199
6	THE ROLE OF THE INTESTINAL BARRIER IN THE PATHOGENESIS OF NECROTIZING ENTEROCOLITIS. <i>Shock</i> , 2007, 27, 124-133.	1.0	191
7	Nitrite Potently Inhibits Hypoxic and Inflammatory Pulmonary Arterial Hypertension and Smooth Muscle Proliferation via Xanthine Oxidoreductase-Dependent Nitric Oxide Generation. <i>Circulation</i> , 2010, 121, 98-109.	1.6	185
8	Mitochondrial dysfunction in inflammatory bowel disease. <i>Frontiers in Cell and Developmental Biology</i> , 2015, 3, 62.	1.8	174
9	Signaling of High Mobility Group Box 1 (HMGB1) through Toll-like Receptor 4 in Macrophages Requires CD14. <i>Molecular Medicine</i> , 2013, 19, 88-98.	1.9	161
10	Toll-like Receptor 4-mediated Endoplasmic Reticulum Stress in Intestinal Crypts Induces Necrotizing Enterocolitis. <i>Journal of Biological Chemistry</i> , 2014, 289, 9584-9599.	1.6	141
11	Toll-Like Receptor-4 Signaling Mediates Hepatic Injury and Systemic Inflammation in Hemorrhagic Shock. <i>Journal of the American College of Surgeons</i> , 2006, 202, 407-417.	0.2	111
12	Early events in the recognition of danger signals after tissue injury. <i>Journal of Leukocyte Biology</i> , 2008, 83, 546-552.	1.5	111
13	Mechanisms of Toll-Like Receptor 4 (TLR4)-Mediated Inflammation After Cold Ischemia/Reperfusion in the Heart. <i>Transplantation</i> , 2009, 87, 1455-1463.	0.5	96
14	Systemic inflammation and remote organ damage following bilateral femur fracture requires Toll-like receptor 4. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006, 291, R970-R976.	0.9	91
15	PATTERNS OF CYTOKINE RELEASE AND EVOLUTION OF REMOTE ORGAN DYSFUNCTION AFTER BILATERAL FEMUR FRACTURE. <i>Shock</i> , 2008, 30, 43-47.	1.0	71
16	Toll-Like Receptor 4 Mediates the Early Inflammatory Response After Cold Ischemia/Reperfusion. <i>Transplantation</i> , 2007, 84, 1279-1287.	0.5	69
17	Systemic inflammation and end organ damage following trauma involves functional TLR4 signaling in both bone marrow-derived cells and parenchymal cells. <i>Journal of Leukocyte Biology</i> , 2008, 83, 80-88.	1.5	69
18	Reactive oxygen species are required for driving efficient and sustained aerobic glycolysis during CD4+ T cell activation. <i>PLoS ONE</i> , 2017, 12, e0175549.	1.1	67

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19	Peroxisome Proliferator-activated Receptor- $\beta$ Coactivator 1- $\beta$ (PGC1 $\beta$ ) Protects against Experimental Murine Colitis. <i>Journal of Biological Chemistry</i> , 2016, 291, 10184-10200.	1.6	65
20	Thoracic neuroblastoma: a retrospective review of our institutional experience with comparison of the thoroscopic and open approaches to resection. <i>Journal of Pediatric Surgery</i> , 2010, 45, 1622-1626.	0.8	62
21	Experimental sepsis-induced mitochondrial biogenesis is dependent on autophagy, TLR4, and TLR9 signaling in liver. <i>FASEB Journal</i> , 2013, 27, 4703-4711.	0.2	62
22	Pediatric Sepsis Update: How Are Children Different?. <i>Surgical Infections</i> , 2018, 19, 176-183.	0.7	46
23	LOCAL EXPOSURE OF BONE COMPONENTS TO INJURED SOFT TISSUE INDUCES TOLL-LIKE RECEPTOR 4-DEPENDENT SYSTEMIC INFLAMMATION WITH ACUTE LUNG INJURY. <i>Shock</i> , 2008, 30, 686-691.	1.0	37
24	Treatment with a Catalytic Superoxide Dismutase (SOD) Mimetic Improves Liver Steatosis, Insulin Sensitivity, and Inflammation in Obesity-Induced Type 2 Diabetes. <i>Antioxidants</i> , 2017, 6, 85.	2.2	34
25	Inguinal hernia: what we have learned from laparoscopic evaluation of the contralateral side. <i>Current Opinion in Pediatrics</i> , 2007, 19, 344-348.	1.0	33
26	Red blood cell transfusion in premature infants leads to worse necrotizing enterocolitis outcomes. <i>Journal of Surgical Research</i> , 2017, 213, 158-165.	0.8	33
27	HYPOXIA ACTIVATES c-JUN N-TERMINAL KINASE VIA RAC1-DEPENDENT REACTIVE OXYGEN SPECIES PRODUCTION IN HEPATOCYTES. <i>Shock</i> , 2007, 28, 270-277.	1.0	31
28	Depletion of gut microbiota is associated with improved neurologic outcome following traumatic brain injury. <i>Brain Research</i> , 2020, 1747, 147056.	1.1	29
29	Polymicrobial sepsis is associated with decreased hepatic oxidative phosphorylation and an altered metabolic profile. <i>Journal of Surgical Research</i> , 2014, 186, 297-303.	0.8	28
30	Nix-Mediated Mitophagy Modulates Mitochondrial Damage During Intestinal Inflammation. <i>Antioxidants and Redox Signaling</i> , 2020, 33, 1-19.	2.5	27
31	Management of acute severe ulcerative colitis in children. <i>Seminars in Pediatric Surgery</i> , 2017, 26, 367-372.	0.5	25
32	Increased expression and internalization of the endotoxin coreceptor CD14 in enterocytes occur as an early event in the development of experimental necrotizing enterocolitis. <i>Journal of Pediatric Surgery</i> , 2008, 43, 1175-1181.	0.8	23
33	Inactivation of RIP3 kinase sensitizes to 15LOX/PEBP1-mediated ferroptotic death. <i>Redox Biology</i> , 2022, 50, 102232.	3.9	15
34	Calcium/calmodulin-dependent protein kinase IV (CaMKIV) activation contributes to the pathogenesis of experimental colitis via inhibition of intestinal epithelial cell proliferation. <i>FASEB Journal</i> , 2019, 33, 1330-1346.	0.2	14
35	Eicosatetraenoic Acid and Butyrate Regulate Human Intestinal Organoid Mitochondrial and Extracellular Matrix Pathways Implicated in Crohn's Disease Strictures. <i>Inflammatory Bowel Diseases</i> , 2022, 28, 988-1003.	0.9	12
36	Unique Molecular Signatures Are Associated with Aggressive Histology in Pediatric Differentiated Thyroid Cancer. <i>Thyroid</i> , 2022, 32, 236-244.	2.4	12

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37	Effect of dietary cellulose supplementation on gut barrier function and apoptosis in a murine model of endotoxemia. PLoS ONE, 2019, 14, e0224838.	1.1	10
38	An Evidence-Based Care Protocol Improves Outcomes and Decreases Cost in Pediatric Appendicitis. Journal of Surgical Research, 2020, 256, 390-396.	0.8	8
39	High Sugar-Sweetened Beverage Consumption Is Associated with Increased Health Care Utilization in Patients with Inflammatory Bowel Disease: A Multiyear, Prospective Analysis. Journal of the Academy of Nutrition and Dietetics, 2022, 122, 1488-1498.e1.	0.4	8
40	The Pediatric Surgeonâ€“Scientist: Succeeding in Today's Academic Environment. Journal of Surgical Research, 2019, 244, 502-508.	0.8	7
41	Chronic Lymphocytic Thyroiditis and Aggressiveness of Pediatric Differentiated Thyroid Cancer. Laryngoscope, 2022, 132, 1668-1674.	1.1	5
42	Inclusion and representation in the pediatric surgery workforce: Strategies to mitigate bias in the fellowship application process. Journal of Pediatric Surgery, 2022, , .	0.8	5
43	Cyclic GMPâ€“AMP synthase contributes to epithelial homeostasis in intestinal inflammation via Beclinâ€“1â€“mediated autophagy. FASEB Journal, 2022, 36, e22282.	0.2	5
44	Plant-based Enteral Nutrition Modifies the Gut Microbiota and Improves Outcomes in Murine Models of Colitis. Cellular and Molecular Gastroenterology and Hepatology, 2019, 7, 872-874.e6.	2.3	4
45	Diagnosis and Treatment of Rhabdomyosarcoma. , 2012, , 491-499.		2
46	SUN-284 DICER1 Mutations in Adolescent Girls: Clinicopathological Findings and Genetic Correlation. Journal of the Endocrine Society, 2019, 3, .	0.1	1
47	Esophageal Resection for Carcinoma in Patients Older Than 70 Years. Annals of Surgical Oncology, 2002, 9, 210-214.	0.7	1