

# Simon Keely

## List of Publications by Year in descending order

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107  
papers

4,453  
citations

117625

34  
h-index

114465

63  
g-index

108  
all docs

108  
docs citations

108  
times ranked

6719  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in oral nano-delivery systems for colon targeted drug delivery in inflammatory bowel disease: Selective targeting to diseased versus healthy tissue. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 1117-1132.	3.3	383
2	Mucosal Protection by Hypoxia-Inducible Factor Prolyl Hydroxylase Inhibition. <i>Gastroenterology</i> , 2008, 134, 145-155.	1.3	336
3	Pulmonary-intestinal cross-talk in mucosal inflammatory disease. <i>Mucosal Immunology</i> , 2012, 5, 7-18.	6.0	283
4	Functional effects of the microbiota in chronic respiratory disease. <i>Lancet Respiratory Medicine</i> , 2019, 7, 907-920.	10.7	269
5	A new short-term mouse model of chronic obstructive pulmonary disease identifies a role for mast cell tryptase in pathogenesis. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 131, 752-762.e7.	2.9	210
6	MicroRNA-21 drives severe, steroid-insensitive experimental asthma by amplifying phosphoinositide 3-kinase $\epsilon$ -mediated suppression of histone deacetylase 2. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 519-532.	2.9	176
7	Ursodeoxycholic acid and lithocholic acid exert anti-inflammatory actions in the colon. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, G550-G558.	3.4	170
8	Resolvin E1-induced intestinal alkaline phosphatase promotes resolution of inflammation through LPS detoxification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 14298-14303.	7.1	161
9	Chronic cigarette smoke exposure induces systemic hypoxia that drives intestinal dysfunction. <i>JCI Insight</i> , 2018, 3, .	5.0	103
10	Contribution of epithelial innate immunity to systemic protection afforded by prolyl hydroxylase inhibition in murine colitis. <i>Mucosal Immunology</i> , 2014, 7, 114-123.	6.0	102
11	Evidence for Local and Systemic Immune Activation in Functional Dyspepsia and the Irritable Bowel Syndrome: A Systematic Review. <i>American Journal of Gastroenterology</i> , 2019, 114, 429-436.	0.4	93
12	Selective induction of integrin $\beta$ 1 by hypoxia-inducible factor: implications for wound healing. <i>FASEB Journal</i> , 2009, 23, 1338-1346.	0.5	90
13	In Vitro and ex Vivo Intestinal Tissue Models to Measure Mucoadhesion of Poly (Methacrylate) and N-Trimethylated Chitosan Polymers. <i>Pharmaceutical Research</i> , 2005, 22, 38-49.	3.5	89
14	Immune dysregulation in the functional gastrointestinal disorders. <i>European Journal of Clinical Investigation</i> , 2015, 45, 1350-1359.	3.4	75
15	Impact of diet and the bacterial microbiome on the mucous barrier and immune disorders. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 714-734.	5.7	66
16	Population based study: atopy and autoimmune diseases are associated with functional dyspepsia and irritable bowel syndrome, independent of psychological distress. <i>Alimentary Pharmacology and Therapeutics</i> , 2019, 49, 546-555.	3.7	62
17	Wheat Intolerance and Chronic Gastrointestinal Symptoms in an Australian Population-based Study: Association Between Wheat Sensitivity, Celiac Disease and Functional Gastrointestinal Disorders. <i>American Journal of Gastroenterology</i> , 2018, 113, 1036-1044.	0.4	60
18	Fluorescently tagged star polymers by living radical polymerisation for mucoadhesion and bioadhesion. <i>Reactive and Functional Polymers</i> , 2006, 66, 51-64.	4.1	59

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19	An Endogenously Anti-Inflammatory Role for Methylation in Mucosal Inflammation Identified through Metabolite Profiling. <i>Journal of Immunology</i> , 2011, 186, 6505-6514.	0.8	59
20	Oral Delivery of Prolyl Hydroxylase Inhibitor. <i>Inflammatory Bowel Diseases</i> , 2015, 21, 267-275.	1.9	52
21	Effects of Antibiotic Therapy in Primary Sclerosing Cholangitis with and without Inflammatory Bowel Disease: A Systematic Review and Meta-Analysis. <i>Seminars in Liver Disease</i> , 2019, 39, 432-441.	3.6	52
22	Activated fluid transport regulates bacterial-epithelial interactions and significantly shifts the murine colonic microbiome. <i>Gut Microbes</i> , 2012, 3, 250-260.	9.8	49
23	Potential mechanisms regulating pulmonary pathology in inflammatory bowel disease. <i>Journal of Leukocyte Biology</i> , 2015, 98, 727-737.	3.3	47
24	The bile acids, deoxycholic acid and ursodeoxycholic acid, regulate colonic epithelial wound healing. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 314, G378-G387.	3.4	47
25	Oxygen in the regulation of intestinal epithelial transport. <i>Journal of Physiology</i> , 2014, 592, 2473-2489.	2.9	46
26	IL-6 Drives Neutrophil-Mediated Pulmonary Inflammation Associated with Bacteremia in Murine Models of Colitis. <i>American Journal of Pathology</i> , 2018, 188, 1625-1639.	3.8	46
27	Increased Intestinal Permeability in Rats Subjected to Traumatic Frontal Lobe Percussion Brain Injury. <i>Journal of Trauma</i> , 2008, 64, 131-138.	2.3	44
28	Dexamethasone- $\alpha$ -pDMAEMA polymeric conjugates reduce inflammatory biomarkers in human intestinal epithelial monolayers. <i>Journal of Controlled Release</i> , 2009, 135, 35-43.	9.9	44
29	Anti-inflammatory actions of adrenomedullin through fine tuning of HIF stabilization. <i>FASEB Journal</i> , 2011, 25, 1856-1864.	0.5	44
30	PAI-1 augments mucosal damage in colitis. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	44
31	Hypoxia and Integrin-Mediated Epithelial Restitution during Mucosal Inflammation. <i>Frontiers in Immunology</i> , 2013, 4, 272.	4.8	43
32	Platelet activating factor receptor regulates colitis-induced pulmonary inflammation through the NLRP3 inflammasome. <i>Mucosal Immunology</i> , 2019, 12, 862-873.	6.0	43
33	Hypoxia-inducible Factor-dependent Regulation of Platelet-activating Factor Receptor as a Route for Gram-Positive Bacterial Translocation across Epithelia. <i>Molecular Biology of the Cell</i> , 2010, 21, 538-546.	2.1	42
34	Hypoxia-inducible factor and bacterial infections in chronic obstructive pulmonary disease. <i>Respirology</i> , 2020, 25, 53-63.	2.3	37
35	Mechanisms of Food-Induced Symptom Induction and Dietary Management in Functional Dyspepsia. <i>Nutrients</i> , 2021, 13, 1109.	4.1	36
36	A Systematic Review of the Evidence for Central Nervous System Plasticity in Animal Models of Inflammatory-mediated Gastrointestinal Pain. <i>Inflammatory Bowel Diseases</i> , 2014, 20, 176-195.	1.9	35

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37	Lung-Gut Cross Talk. <i>Chest</i> , 2014, 145, 199-200.	0.8	34
38	Understanding and targeting centrally mediated visceral pain in inflammatory bowel disease. <i>Frontiers in Pharmacology</i> , 2014, 5, 27.	3.5	33
39	Circulating Anti-cytolethal Distending Toxin B and Anti-vinculin Antibodies as Biomarkers in Community and Healthcare Populations With Functional Dyspepsia and Irritable Bowel Syndrome. <i>Clinical and Translational Gastroenterology</i> , 2019, 10, e00064.	2.5	33
40	Duodenal inflammation: an emerging target for functional dyspepsia?. <i>Expert Opinion on Therapeutic Targets</i> , 2020, 24, 511-523.	3.4	29
41	Duodenal bacterial load as determined by quantitative polymerase chain reaction in asymptomatic controls, functional gastrointestinal disorders and inflammatory bowel disease. <i>Alimentary Pharmacology and Therapeutics</i> , 2020, 52, 155-167.	3.7	28
42	Î³Î³ Intraepithelial Lymphocytes Facilitate Pathological Epithelial Cell Shedding Via CD103-Mediated Granzyme Release. <i>Gastroenterology</i> , 2022, 162, 877-889.e7.	1.3	28
43	&lt;em&gt;Ex Vivo&lt;/em&gt; Intestinal Sacs to Assess Mucosal Permeability in Models of Gastrointestinal Disease. <i>Journal of Visualized Experiments</i> , 2016, , e53250.	0.3	27
44	Interactions between Bitter Taste, Diet and Dysbiosis: Consequences for Appetite and Obesity. <i>Nutrients</i> , 2018, 10, 1336.	4.1	27
45	Regulation of IL-12p40 by HIF controls Th1/Th17 responses to prevent mucosal inflammation. <i>Mucosal Immunology</i> , 2017, 10, 1224-1236.	6.0	26
46	Incidence and prevalence of self-reported non-coeliac wheat sensitivity and gluten avoidance in Australia. <i>Medical Journal of Australia</i> , 2020, 212, 126-131.	1.7	26
47	Zonulin in serum as a biomarker fails to identify the IBS, functional dyspepsia and non-coeliac wheat sensitivity. <i>Gut</i> , 2020, 69, 1719-1722.	12.1	24
48	Intense Sweeteners, Taste Receptors and the Gut Microbiome: A Metabolic Health Perspective. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 4094.	2.6	23
49	Duodenal Eosinophils and Mast Cells in Functional Dyspepsia: A Systematic Review and Meta-Analysis of Case-Control Studies. <i>Clinical Gastroenterology and Hepatology</i> , 2022, 20, 2229-2242.e29.	4.4	22
50	The effects of cobalt and iodine supplementation of the pregnant ewe diet on immunoglobulin G, vitamin E, T3 and T4 levels in the progeny. <i>Animal</i> , 2008, 2, 197-206.	3.3	21
51	Reduced deoxyribonuclease enzyme activity in response to high postinjury mitochondrial DNA concentration provides a therapeutic target for Systemic Inflammatory Response Syndrome. <i>Journal of Trauma and Acute Care Surgery</i> , 2018, 85, 354-358.	2.1	21
52	Chloride-led Disruption of the Intestinal Mucous Layer Impedes &lt;i&gt;Salmonella&lt;/i&gt; Invasion: Evidence for an "Enteric Tear"™ Mechanism. <i>Cellular Physiology and Biochemistry</i> , 2011, 28, 743-752.	1.6	20
53	Wheat Sensitivity and Functional Dyspepsia: A Pilot, Double-Blind, Randomized, Placebo-Controlled Dietary Crossover Trial with Novel Challenge Protocol. <i>Nutrients</i> , 2020, 12, 1947.	4.1	20
54	Pharmacological HIF-1 stabilization promotes intestinal epithelial healing through regulation of Î±-integrin expression and function. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 320, G420-G438.	3.4	20

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55	Roles of healthcare professionals in the management of chronic gastrointestinal diseases with a focus on primary care: A systematic review. <i>JGH Open</i> , 2020, 4, 221-229.	1.6	19
56	Stop Press: Eosinophils Drafted to Join the Th17 Team. <i>Immunity</i> , 2015, 43, 7-9.	14.3	18
57	GSTO1 is an upstream suppressor of M2 macrophage skewing and HIF1 $\alpha$ -induced eosinophilic airway inflammation. <i>Clinical and Experimental Allergy</i> , 2020, 50, 609-624.	2.9	17
58	Bioavailability of arsenic, cadmium, lead and mercury as measured by intestinal permeability. <i>Scientific Reports</i> , 2021, 11, 14675.	3.3	17
59	A Tertiary Amino-Containing Polymethacrylate Polymer Protects Mucus-Covered Intestinal Epithelial Monolayers Against Pathogenic Challenge. <i>Pharmaceutical Research</i> , 2008, 25, 1193-1201.	3.5	16
60	Towards an integrated understanding of the therapeutic utility of exclusive enteral nutrition in the treatment of Crohn's disease. <i>Food and Function</i> , 2016, 7, 1741-1751.	4.6	16
61	What's in a name? "Non-coeliac gluten or wheat sensitivity": controversies and mechanisms related to wheat and gluten causing gastrointestinal symptoms or disease. <i>Gut</i> , 2018, 67, 2073-2077.	12.1	16
62	Functional Dyspepsia and Food: Immune Overlap with Food Sensitivity Disorders. <i>Current Gastroenterology Reports</i> , 2020, 22, 51.	2.5	16
63	Microbiome-focused asthma management strategies. <i>Current Opinion in Pharmacology</i> , 2019, 46, 143-149.	3.5	15
64	Platelet activating factor receptor acts to limit colitis-induced liver inflammation. <i>FASEB Journal</i> , 2020, 34, 7718-7732.	0.5	14
65	Letter: budesonide for functional dyspepsia with duodenal eosinophilia" randomised, double-blind, placebo-controlled parallel-group trial. <i>Alimentary Pharmacology and Therapeutics</i> , 2021, 53, 1332-1333.	3.7	14
66	T-helper 22 cells develop as a distinct lineage from Th17 cells during bacterial infection and phenotypic stability is regulated by T-bet. <i>Mucosal Immunology</i> , 2021, 14, 1077-1087.	6.0	13
67	Defects in NLRP6, autophagy and goblet cell homeostasis are associated with reduced duodenal CRH receptor 2 expression in patients with functional dyspepsia. <i>Brain, Behavior, and Immunity</i> , 2022, 101, 335-345.	4.1	12
68	Immune responses in the irritable bowel syndromes: time to consider the small intestine. <i>BMC Medicine</i> , 2022, 20, 115.	5.5	12
69	A Comparison of the Inhibitory Effects of Bupivacaine and Levobupivacaine on Isolated Human Pregnant Myometrium Contractility. <i>Anesthesia and Analgesia</i> , 2008, 107, 1303-1307.	2.2	11
70	Systematic Review on the Influence of Tissue Oxygenation on Gut Microbiota and Anastomotic Healing. <i>Journal of Surgical Research</i> , 2020, 249, 186-196.	1.6	11
71	Human intestinal spirochetosis, irritable bowel syndrome, and colonic polyps: A systematic review and meta-analysis. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2022, 37, 1222-1234.	2.8	11
72	Interactions between taste receptors and the gastrointestinal microbiome in inflammatory bowel disease. <i>Journal of Nutrition &amp; Intermediary Metabolism</i> , 2019, 18, 100106.	1.7	10

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73	Circadian Rhythms and Melatonin Metabolism in Patients With Disorders of Gut-Brain Interactions. <i>Frontiers in Neuroscience</i> , 2022, 16, 825246.	2.8	10
74	Role of the duodenal microbiota in functional dyspepsia. <i>Neurogastroenterology and Motility</i> , 2022, 34, e14372.	3.0	10
75	A Role for Primary Care Pharmacists in the Management of Inflammatory Bowel Disease? Lessons from Chronic Disease: A Systematic Review. <i>Pharmacy (Basel, Switzerland)</i> , 2020, 8, 204.	1.6	9
76	Does postoperative inflammation or sepsis generate neutrophil extracellular traps that influence colorectal cancer progression? A systematic review. <i>Surgery Open Science</i> , 2020, 2, 57-69.	1.2	9
77	Sleep disturbances in the irritable bowel syndrome and functional dyspepsia are independent of psychological distress: a population-based study of 1322 Australians. <i>Alimentary Pharmacology and Therapeutics</i> , 2021, 54, 627-636.	3.7	9
78	Physiological mechanisms of unexplained (functional) gastrointestinal disorders. <i>Journal of Physiology</i> , 2021, 599, 5141-5161.	2.9	9
79	The microbiota in eosinophilic esophagitis: A systematic review. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2022, 37, 1673-1684.	2.8	9
80	In vivo characterization of colorectal and cutaneous inputs to lumbosacral dorsal horn neurons in the mouse spinal cord. <i>Neuroscience</i> , 2016, 316, 13-25.	2.3	8
81	Altered intrinsic and synaptic properties of lumbosacral dorsal horn neurons in a mouse model of colitis. <i>Neuroscience</i> , 2017, 362, 152-167.	2.3	7
82	Duodenal bile acids as determinants of intestinal mucosal homeostasis and disease. <i>Neurogastroenterology and Motility</i> , 2020, 32, e13854.	3.0	7
83	The Alignment of Dietary Intake and Symptom-Reporting Capture Periods in Studies Assessing Associations between Food and Functional Gastrointestinal Disorder Symptoms: A Systematic Review. <i>Nutrients</i> , 2019, 11, 2590.	4.1	5
84	Genetic Variation in the Bitter Receptors Responsible for Epicatechin Detection Are Associated with BMI in an Elderly Cohort. <i>Nutrients</i> , 2021, 13, 571.	4.1	5
85	Neonatal immune challenge influences the microbiota and behaviour in a sexually dimorphic manner. <i>Brain, Behavior, and Immunity</i> , 2022, 103, 232-242.	4.1	5
86	Eosinophils, Hypoxia-Inducible Factors, and Barrier Dysfunction in Functional Dyspepsia. <i>Frontiers in Allergy</i> , 2022, 3, .	2.8	5
87	Follow up on atopy and the gastrointestinal tract – a review of a common association 2018. <i>Expert Review of Gastroenterology and Hepatology</i> , 2019, 13, 437-445.	3.0	4
88	Markers of Hypoxia Correlate with Histologic and Endoscopic Severity of Colitis in Inflammatory Bowel Disease. <i>Hypoxia (Auckland, N Z)</i> , 2020, Volume 8, 1-12.	1.9	4
89	Endophenotyping eosinophilic oesophagitis: a new era for management?. <i>The Lancet Gastroenterology and Hepatology</i> , 2018, 3, 449-450.	8.1	3
90	A Rodent Model of Anxiety: The Effect of Perinatal Immune Challenges on Gastrointestinal Inflammation and Integrity. <i>NeuroImmunoModulation</i> , 2018, 25, 163-175.	1.8	3

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91	Immune Activation in Functional Gastrointestinal Disorders. <i>Gastroenterology and Hepatology</i> , 2019, 15, 539-548.	0.1	3
92	Genetics, Mucosal Inflammation and the Environment in Post-Infectious Chronic Gut Syndromes. <i>American Journal of Gastroenterology Supplements (Print)</i> , 2016, 3, 46-51.	0.7	2
93	In the ZONE: How Impedance Facilitates Progress in Functional Dyspepsia Research. <i>Digestive Diseases and Sciences</i> , 2019, 64, 3027-3029.	2.3	2
94	Bacterial therapy for irritable bowel syndrome. <i>The Lancet Gastroenterology and Hepatology</i> , 2020, 5, 627-629.	8.1	2
95	Pharmacists' Confidence in Managing Patients with Inflammatory Bowel Disease. <i>Pharmacy (Basel, Switzerland)</i> , 2021, 10, 784-792.	1.6	2
96	Letter: gluten sensitivity in patients with inflammatory bowel disease. <i>Alimentary Pharmacology and Therapeutics</i> , 2018, 48, 1167-1168.	3.7	1
97	Isolation and In Vitro Culture of Human Gut Progenitor Cells. <i>Methods in Molecular Biology</i> , 2019, 2029, 49-62.	0.9	1
98	Healthcare Needs and Perceptions of People Living With Inflammatory Bowel Disease in Australia: A Mixed-Methods Study. <i>Crohn's &amp; Colitis 360</i> , 2022, 4, .	1.1	1
99	HIF prolyl hydroxylase inhibition reverses disease symptoms in established TNBS colitis. <i>Inflammatory Bowel Diseases</i> , 2011, 17, S14-S14.	1.9	0
100	Letter: oxidative stress, cause or consequence of constipation-associated colorectal cancer?. <i>Alimentary Pharmacology and Therapeutics</i> , 2015, 42, 941-942.	3.7	0
101	FOXO3 Loss Drives Inflammation-Associated CRC: The Consequences of Being (Knock)Out-FOXO. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2019, 7, 295-296.	4.5	0
102	Spore-forming probiotics for functional dyspepsia. <i>The Lancet Gastroenterology and Hepatology</i> , 2021, 6, 772-773.	8.1	0
103	Immune modulation by prolyl hydroxylase inhibition contributes to the prevention of endotoxemia in a murine model of inflammatory bowel disease. <i>FASEB Journal</i> , 2012, 26, 276.7.	0.5	0
104	Colonic bile acids regulate epithelial wound healing. <i>FASEB Journal</i> , 2018, 32, 873.15.	0.5	0
105	Corticotrophin Releasing Hormone Regulates NLRP6 and Disrupts Mucosal Homeostasis in Functional Dyspepsia. <i>FASEB Journal</i> , 2018, 32, 406.6.	0.5	0
106	Seroreactivity to Microbial Antigens and Gut-Homing Immune Responses in Functional Dyspepsia Patients with Postprandial Distress Syndrome. <i>FASEB Journal</i> , 2018, 32, 613.3.	0.5	0
107	Clinical medicine journals lag behind science journals with regards to 'microbiota sequence' data availability. <i>Clinical and Translational Medicine</i> , 2021, 11, e656.	4.0	0