

# Barry J Campbell

## 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.

59 papers	5,405 citations	32 h-index	73 g-index
78 ext. papers	6,345 ext. citations	8 avg, IF	5.37 L-index

#	Paper	IF	Citations
59	Intestinal inflammation targets cancer-inducing activity of the microbiota. <i>Science</i> , <b>2012</b> , 338, 120-3	33.3	1362
58	NOD2 stimulation induces autophagy in dendritic cells influencing bacterial handling and antigen presentation. <i>Nature Medicine</i> , <b>2010</b> , 16, 90-7	50.5	807
57	Enhanced <i>Escherichia coli</i> adherence and invasion in Crohn's disease and colon cancer. <i>Gastroenterology</i> , <b>2004</b> , 127, 80-93	13.3	564
56	Review article: dietary fibre-microbiota interactions. <i>Alimentary Pharmacology and Therapeutics</i> , <b>2015</b> , 42, 158-79	6.1	288
55	Inflammation and colorectal cancer: IBD-associated and sporadic cancer compared. <i>Trends in Molecular Medicine</i> , <b>2002</b> , 8, 10-6	11.5	244
54	Crohn disease--associated adherent-invasive <i>E. coli</i> bacteria target mouse and human Peyer's patches via long polar fimbriae. <i>Journal of Clinical Investigation</i> , <b>2011</b> , 121, 966-75	15.9	181
53	Translocation of Crohn's disease <i>Escherichia coli</i> across M-cells: contrasting effects of soluble plant fibres and emulsifiers. <i>Gut</i> , <b>2010</b> , 59, 1331-9	19.2	172
52	Colonic mucosa-associated diffusely adherent afaC+ <i>Escherichia coli</i> expressing lpfA and pks are increased in inflammatory bowel disease and colon cancer. <i>Gut</i> , <b>2014</b> , 63, 761-70	19.2	157
51	Mucosal barrier, bacteria and inflammatory bowel disease: possibilities for therapy. <i>Digestive Diseases</i> , <b>2014</b> , 32, 475-83	3.2	110
50	A mouse model of pathological small intestinal epithelial cell apoptosis and shedding induced by systemic administration of lipopolysaccharide. <i>DMM Disease Models and Mechanisms</i> , <b>2013</b> , 6, 1388-99	4.1	105
49	Inflammation-associated adherent-invasive <i>Escherichia coli</i> are enriched in pathways for use of propanediol and iron and M-cell translocation. <i>Inflammatory Bowel Diseases</i> , <b>2014</b> , 20, 1919-32	4.5	96
48	Altered glycosylation in inflammatory bowel disease: a possible role in cancer development. <i>Glycoconjugate Journal</i> , <b>2001</b> , 18, 851-8	3	90
47	Confocal laser endomicroscopy is a new imaging modality for recognition of intramucosal bacteria in inflammatory bowel disease in vivo. <i>Gut</i> , <b>2011</b> , 60, 26-33	19.2	85
46	Replication of Colonic Crohn's Disease Mucosal <i>Escherichia coli</i> Isolates within Macrophages and Their Susceptibility to Antibiotics. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2008</b> , 52, 427-34	5.9	74
45	The role of bacteria in the pathogenesis of inflammatory bowel disease. <i>Gut and Liver</i> , <b>2010</b> , 4, 295-306	4.8	73
44	Characterization of epithelial IL-8 response to inflammatory bowel disease mucosal <i>E. coli</i> and its inhibition by mesalamine. <i>Inflammatory Bowel Diseases</i> , <b>2008</b> , 14, 162-75	4.5	65
43	Genetic characterization indicates that a specific subpopulation of <i>Pseudomonas aeruginosa</i> is associated with keratitis infections. <i>Journal of Clinical Microbiology</i> , <b>2011</b> , 49, 993-1003	9.7	63

42	RNA interference: a chemist's perspective. <i>Chemical Society Reviews</i> , <b>2010</b> , 39, 4169-84	58.5	58
41	Microbial mannan inhibits bacterial killing by macrophages: a possible pathogenic mechanism for Crohn's disease. <i>Gastroenterology</i> , <b>2007</b> , 133, 1487-98	13.3	56
40	Transcriptomic analysis of the sulfate starvation response of <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , <b>2007</b> , 189, 6743-50	3.5	53
39	Stimulation of colonic mucin synthesis by corticosteroids and nicotine. <i>Clinical Science</i> , <b>1996</b> , 91, 359-64	6.5	52
38	Developing a 3D intestinal epithelium model for livestock species. <i>Cell and Tissue Research</i> , <b>2019</b> , 375, 409-424	4.2	43
37	Peanut lectin stimulates proliferation of colon cancer cells by interaction with glycosylated CD44v6 isoforms and consequential activation of c-Met and MAPK: functional implications for disease-associated glycosylation changes. <i>Glycobiology</i> , <b>2006</b> , 16, 594-601	5.8	41
36	Oral iron exacerbates colitis and influences the intestinal microbiome. <i>PLoS ONE</i> , <b>2018</b> , 13, e0202460	3.7	40
35	Soluble plantain fibre blocks adhesion and M-cell translocation of intestinal pathogens. <i>Journal of Nutritional Biochemistry</i> , <b>2013</b> , 24, 97-103	6.3	38
34	Importance of the alternative NF- $\kappa$ B activation pathway in inflammation-associated gastrointestinal carcinogenesis. <i>American Journal of Physiology - Renal Physiology</i> , <b>2016</b> , 310, G1081-90	5.1	36
33	Analysis of clinical isolates of <i>Helicobacter pylori</i> in Pakistan reveals high degrees of pathogenicity and high frequencies of antibiotic resistance. <i>Helicobacter</i> , <b>2014</b> , 19, 387-99	4.9	36
32	Host-bacteria interaction in inflammatory bowel disease. <i>British Medical Bulletin</i> , <b>2008</b> , 88, 95-113	5.4	36
31	Bacteria in the pathogenesis of inflammatory bowel disease. <i>Biochemical Society Transactions</i> , <b>2011</b> , 39, 1067-72	5.1	35
30	Increasing the intra-Golgi pH of cultured LS174T goblet-differentiated cells mimics the decreased mucin sulfation and increased Thomsen-Friedenreich antigen (Gal beta1-3GalNac alpha-) expression seen in colon cancer. <i>Glycobiology</i> , <b>2001</b> , 11, 385-93	5.8	35
29	Complete genome sequence of the Crohn's disease-associated adherent-invasive <i>Escherichia coli</i> strain HM605. <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 4540	3.5	34
28	Lectin-epithelial interactions in the human colon. <i>Biochemical Society Transactions</i> , <b>2008</b> , 36, 1482-6	5.1	33
27	A subset of mucosa-associated <i>Escherichia coli</i> isolates from patients with colon cancer, but not Crohn's disease, share pathogenicity islands with urinary pathogenic <i>E. coli</i> . <i>Microbiology (United Kingdom)</i> , <b>2008</b> , 154, 571-583	2.9	28
26	An N-terminal truncated form of Orp150 is a cytoplasmic ligand for the anti-proliferative mushroom <i>Agaricus bisporus</i> lectin and is required for nuclear localization sequence-dependent nuclear protein import. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 24538-45	5.4	23
25	DNA extraction and amplicon production strategies deeply influence the outcome of gut microbiome studies. <i>Scientific Reports</i> , <b>2019</b> , 9, 9328	4.9	21

24	Interaction between bacterial peptides, neutrophils and goblet cells: a possible mechanism for neutrophil recruitment and goblet cell depletion in colitis. <i>Clinical Science</i> , <b>2001</b> , 101, 395-402	6.5	20
23	Dietary supplementation with soluble plantain non-starch polysaccharides inhibits intestinal invasion of Salmonella Typhimurium in the chicken. <i>PLoS ONE</i> , <b>2014</b> , 9, e87658	3.7	17
22	Escherichia coli-host macrophage interactions in the pathogenesis of inflammatory bowel disease. <i>World Journal of Gastroenterology</i> , <b>2014</b> , 20, 8751-63	5.6	17
21	Review article: impact of cigarette smoking on intestinal inflammation-direct and indirect mechanisms. <i>Alimentary Pharmacology and Therapeutics</i> , <b>2020</b> , 51, 1268-1285	6.1	15
20	Killing of Escherichia coli by Crohn's Disease Monocyte-derived Macrophages and Its Enhancement by Hydroxychloroquine and Vitamin D. <i>Inflammatory Bowel Diseases</i> , <b>2015</b> , 21, 1499-510	4.5	15
19	IBD: microbiota manipulation through diet and modified bacteria. <i>Digestive Diseases</i> , <b>2014</b> , 32 Suppl 1, 18-25	3.2	15
18	An Open-Format Enteroid Culture System for Interrogation of Interactions Between and the Intestinal Epithelium. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2019</b> , 9, 300	5.9	14
17	Macrophage-Specific NF- $\kappa$ B Activation Dynamics Can Segregate Inflammatory Bowel Disease Patients. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 2168	8.4	13
16	Human TNF-Luc reporter mouse: A new model to quantify inflammatory responses. <i>Scientific Reports</i> , <b>2019</b> , 9, 193	4.9	10
15	Infliximab restores colonic barrier to adherent-invasive E. coli in Crohn's disease via effects on epithelial lipid rafts. <i>Scandinavian Journal of Gastroenterology</i> , <b>2018</b> , 53, 677-684	2.4	6
14	NF- $\kappa$ B2 signalling in enteroids modulates enterocyte responses to secreted factors from bone marrow-derived dendritic cells. <i>Cell Death and Disease</i> , <b>2019</b> , 10, 896	9.8	6
13	Replication of Crohn's Disease Mucosal Isolates inside Macrophages Correlates with Resistance to Superoxide and Is Dependent on Macrophage NF-kappa B Activation. <i>Pathogens</i> , <b>2019</b> , 8,	4.5	4
12	Glycosylation and Disease <b>2010</b> ,		3
11	Lessons from diversion studies and antibacterial interventions. <i>Digestive Diseases</i> , <b>2012</b> , 30, 347-50	3.2	3
10	Using systems medicine to identify a therapeutic agent with potential for repurposing in inflammatory bowel disease. <i>DMM Disease Models and Mechanisms</i> , <b>2020</b> , 13,	4.1	3
9	Epigenetic Modifications of the Nuclear Factor Kappa B Signalling Pathway and its Impact on Inflammatory Bowel Disease. <i>Current Pharmaceutical Design</i> , <b>2021</b> , 27, 3702-3713	3.3	3
8	Incorporation of 3'-phosphorothiolates into RNA: potential applications in RNAi. <i>Nucleic Acids Symposium Series</i> , <b>2008</b> , 319-20		2
7	Long-Term Iron Deficiency and Dietary Iron Excess Exacerbate Acute Dextran Sodium Sulphate-Induced Colitis and Are Associated with Significant Dysbiosis. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2

6	Inter-kingdom relationships in Crohn's disease explored using a multi-omics approach. <i>Gut Microbes</i> , <b>2021</b> , 13, 1930871	8.8	2
5	Using systems medicine to identify a therapeutic agent with potential for repurposing in Inflammatory Bowel Disease		1
4	Impact of Interleukin 10 Deficiency on Intestinal Epithelium Responses to Inflammatory Signals. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 690817	8.4	0
3	Bacteria, good and bad: Host-microbiota interactions in inflammatory bowel disease. <i>Biochemist</i> , <b>2011</b> , 33, 22-25	0.5	
2	The fucose-specific lectin ANL from <i>Aspergillus niger</i> possesses anti-cancer activity by inducing the intrinsic apoptosis pathway in hepatocellular and colon cancer cells. <i>Cell Biochemistry and Function</i> , <b>2021</b> , 39, 401-412	4.2	
1	Soluble Non-Starch Polysaccharides From Plantain (L.) Diminish Epithelial Impact of .. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 766293	5.6	