

# Trevor J Lockett

## 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.

82  
papers

5,638  
citations

25  
h-index

74  
g-index

88  
ext. papers

6,685  
ext. citations

7.1  
avg, IF

4.81  
L-index

#	Paper	IF	Citations
82	Commensal microbe-derived butyrate induces the differentiation of colonic regulatory T cells. <i>Nature</i> , <b>2013</b> , 504, 446-50	50.4	2810
81	Gut microbial metabolites limit the frequency of autoimmune T cells and protect against type 1 diabetes. <i>Nature Immunology</i> , <b>2017</b> , 18, 552-562	19.1	367
80	A review of the potential mechanisms for the lowering of colorectal oncogenesis by butyrate. <i>British Journal of Nutrition</i> , <b>2012</b> , 108, 820-31	3.6	209
79	The Notch locus of <i>Drosophila melanogaster</i> . <i>Cell</i> , <b>1983</b> , 34, 421-33	56.2	195
78	Nutrigenetics and nutrigenomics: viewpoints on the current status and applications in nutrition research and practice. <i>Journal of Nutrigenetics and Nutrigenomics</i> , <b>2011</b> , 4, 69-89		192
77	A panel of genes methylated with high frequency in colorectal cancer. <i>BMC Cancer</i> , <b>2014</b> , 14, 54	4.8	117
76	Role of food processing in food and nutrition security. <i>Trends in Food Science and Technology</i> , <b>2016</b> , 56, 115-125	15.3	115
75	Association between specific mucosa-associated microbiota in Crohn's disease at the time of resection and subsequent disease recurrence: a pilot study. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , <b>2015</b> , 30, 268-78	4	103
74	Nano- and micro-encapsulated systems for enhancing the delivery of resveratrol. <i>Annals of the New York Academy of Sciences</i> , <b>2013</b> , 1290, 107-12	6.5	91
73	Resistant starches protect against colonic DNA damage and alter microbiota and gene expression in rats fed a Western diet. <i>Journal of Nutrition</i> , <b>2012</b> , 142, 832-40	4.1	87
72	Chronic administration of a microencapsulated probiotic enhances the bioavailability of orange juice flavanones in humans. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 84, 206-214	7.8	60
71	Butyrate-induced apoptosis in HCT116 colorectal cancer cells includes induction of a cell stress response. <i>Journal of Proteome Research</i> , <b>2011</b> , 10, 1860-9	5.6	60
70	Butyrate delivered by butyrylated starch increases distal colonic epithelial apoptosis in carcinogen-treated rats. <i>Carcinogenesis</i> , <b>2012</b> , 33, 197-202	4.6	60
69	Impact of ethnicity, geography, and disease on the microbiota in health and inflammatory bowel disease. <i>Inflammatory Bowel Diseases</i> , <b>2013</b> , 19, 2906-18	4.5	59
68	Pattern formation in the developing eye of <i>Drosophila melanogaster</i> is regulated by the homoeo-box gene, rough. <i>Nature</i> , <b>1988</b> , 334, 151-4	50.4	57
67	Effects of microencapsulation on the gastrointestinal transit and tissue distribution of a bioactive mixture of fish oil, tributyrin and resveratrol. <i>Journal of Functional Foods</i> , <b>2011</b> , 3, 25-37	5.1	56
66	Blood-based protein biomarker panel for the detection of colorectal cancer. <i>PLoS ONE</i> , <b>2015</b> , 10, e0120425	3.7	48

65	A two-gene blood test for methylated DNA sensitive for colorectal cancer. <i>PLoS ONE</i> , <b>2015</b> , 10, e0125043.7	47
64	Analysis of transcripts from two families of nomadic DNA. <i>Journal of Molecular Biology</i> , <b>1982</b> , 157, 49-68.6.5	47
63	Selected classes of minimised hammerhead ribozyme have very high cleavage rates at low Mg <sup>2+</sup> concentration. <i>Nucleic Acids Research</i> , <b>1999</b> , 27, 2400-7	20.1 43
62	A transfection compound series based on a versatile Tris linkage. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1999</b> , 1417, 37-50	3.8 40
61	Evaluation of Methylation Biomarkers for Detection of Circulating Tumor DNA and Application to Colorectal Cancer. <i>Genes</i> , <b>2016</b> , 7,	4.2 40
60	Screening participation for people at increased risk of colorectal cancer due to family history: a systematic review and meta-analysis. <i>Familial Cancer</i> , <b>2013</b> , 12, 459-72	3 38
59	Temporal and spatial utilization of the alcohol dehydrogenase gene promoters during the development of <i>Drosophila melanogaster</i> . <i>Developmental Biology</i> , <b>1989</b> , 134, 430-7	3.1 31
58	Preclinical evaluation of a prostate-targeted gene-directed enzyme prodrug therapy delivered by ovine adenovirus. <i>Gene Therapy</i> , <b>2004</b> , 11, 1559-67	4 25
57	Colorectal carcinogenesis: a cellular response to sustained risk environment. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 13525-41	6.3 24
56	Screening participation predictors for people at familial risk of colorectal cancer: a systematic review. <i>American Journal of Preventive Medicine</i> , <b>2013</b> , 44, 496-506	6.1 24
55	Proteomic analysis of butyrate effects and loss of butyrate sensitivity in HT29 colorectal cancer cells. <i>Journal of Proteome Research</i> , <b>2009</b> , 8, 1220-7	5.6 24
54	A bacteriophage lambda DNA purification procedure suitable for the analysis of DNA from either large or multiple small lysates. <i>Analytical Biochemistry</i> , <b>1990</b> , 185, 230-4	3.1 24
53	Omega-3 fatty acids in ileal effluent after consuming different foods containing microencapsulated fish oil powder - an ileostomy study. <i>Food and Function</i> , <b>2013</b> , 4, 74-82	6.1 23
52	Cost-effectiveness of family history-based colorectal cancer screening in Australia. <i>BMC Cancer</i> , <b>2014</b> , 14, 261	4.8 21
51	Screening practices of unaffected people at familial risk of colorectal cancer. <i>Cancer Prevention Research</i> , <b>2012</b> , 5, 240-7	3.2 21
50	Microbiome and metabolic disorders related to obesity: Which lessons to learn from experimental models?. <i>Trends in Food Science and Technology</i> , <b>2016</b> , 57, 256-264	15.3 19
49	Colorectal cancer biomarkers: to be or not to be? Cautionary tales from a road well travelled. <i>World Journal of Gastroenterology</i> , <b>2014</b> , 20, 888-98	5.6 18
48	Repair and removal of azoxymethane-induced O6-methylguanine in rat colon by O6-methylguanine DNA methyltransferase and apoptosis. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2013</b> , 758, 80-6	3 18

47	Competition studies with repressors and activators of viral enhancer function in F9 mouse embryonal carcinoma cells. <i>Nucleic Acids Research</i> , <b>1987</b> , 15, 4307-24	20.1	17
46	Oncogene expression in differentiating F9 mouse embryonal carcinoma cells. <i>Experimental Cell Research</i> , <b>1987</b> , 173, 370-8	4.2	17
45	Screening practices of Australian men and women categorized as "at or slightly above average risk" of colorectal cancer. <i>Cancer Causes and Control</i> , <b>2012</b> , 23, 1853-64	2.8	15
44	Serum concentrations of brain-derived neurotrophic factor (BDNF) are decreased in colorectal cancer patients. <i>Cancer Biomarkers</i> , <b>2013</b> , 13, 67-73	3.8	15
43	Efficacy of butyrate analogues in HT-29 cancer cells. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2010</b> , 37, 482-9	3	15
42	Intestinal passage of microencapsulated fish oil in rats following oral administration. <i>Food and Function</i> , <b>2011</b> , 2, 684-96	6.1	14
41	A minimised hammerhead ribozyme with activity against interleukin-2 in human cells. <i>Biochemical and Biophysical Research Communications</i> , <b>1997</b> , 231, 397-402	3.4	14
40	Butyrylated starch affects colorectal cancer markers beneficially and dose-dependently in genotoxin-treated rats. <i>Cancer Biology and Therapy</i> , <b>2014</b> , 15, 1515-23	4.6	13
39	Identification of potential pathways involved in induction of apoptosis by butyrate and 4-benzoylbutyrate in HT29 colorectal cancer cells. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 6019-29	5.6	13
38	Molecular size fractions of bay leaf ( <i>Laurus nobilis</i> ) exhibit differentiated regulation of colorectal cancer cell growth in vitro. <i>Nutrition and Cancer</i> , <b>2013</b> , 65, 746-64	2.8	13
37	Small, efficient hammerhead ribozymes. <i>Molecular Biotechnology</i> , <b>2000</b> , 14, 5-17	3	13
36	Structure-activity relationship of butyrate analogues on apoptosis, proliferation and histone deacetylase activity in HCT-116 human colorectal cancer cells. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2010</b> , 37, 905-11	3	12
35	Redesigned and chemically-modified hammerhead ribozymes with improved activity and serum stability. <i>BMC Chemical Biology</i> , <b>2004</b> , 4, 1		12
34	Bioequivalence of n-3 fatty acids from microencapsulated fish oil formulations in human subjects. <i>British Journal of Nutrition</i> , <b>2015</b> , 113, 822-31	3.6	11
33	Evidence of linkage to chromosomes 10p15.3-p15.1, 14q24.3-q31.1 and 9q33.3-q34.3 in non-syndromic colorectal cancer families. <i>European Journal of Human Genetics</i> , <b>2012</b> , 20, 91-6	5.3	11
32	Organization of the unique and repetitive sequences in feather keratin messenger ribonucleic acid. <i>Biochemistry</i> , <b>1979</b> , 18, 5654-63	3.2	11
31	Medically actionable pathogenic variants in a population of 13,131 healthy elderly individuals. <i>Genetics in Medicine</i> , <b>2020</b> , 22, 1883-1886	8.1	10
30	Performance of serum lipocalin 2 as a diagnostic marker for colorectal cancer. <i>Cancer Biomarkers</i> , <b>2013</b> , 13, 75-9	3.8	10

29	A combined free-flow electrophoresis and DIGE approach to identify proteins regulated by butyrate in HT29 cells. <i>Proteomics</i> , <b>2011</b> , 11, 964-71	4.8	10
28	Identifying ribozyme-accessible sites using NUH triplet-targeting gapmers. <i>Nucleic Acids Research</i> , <b>2001</b> , 29, 1906-14	20.1	10
27	An acetate-yielding diet imprints an immune and anti-microbial programme against enteric infection. <i>Clinical and Translational Immunology</i> , <b>2021</b> , 10, e1233	6.8	10
26	Esterification of high amylose starch with short chain fatty acids modulates degradation by <i>Bifidobacterium</i> spp.. <i>Journal of Functional Foods</i> , <b>2014</b> , 6, 137-146	5.1	9
25	Genomic homeostasis is dysregulated in favour of apoptosis in the colonic epithelium of the azoxymethane treated rat. <i>BMC Physiology</i> , <b>2013</b> , 13, 2	0	9
24	Is the tissue persistence of O(6)-methyl-2-Deoxyguanosine an indicator of tumour formation in the gastrointestinal tract?. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2011</b> , 721, 119-26	3	9
23	Tris lipidation: a chemically flexible technology for modifying the delivery of drugs and genes. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2000</b> , 27, 563-7	3	9
22	Ideal colonoscopic surveillance intervals to reduce incidence of advanced adenoma and colorectal cancer. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , <b>2015</b> , 30, 1147-54	4	8
21	RNA sequencing supports distinct reactive oxygen species-mediated pathways of apoptosis by high and low size mass fractions of Bay leaf ( <i>Lauris nobilis</i> ) in HT-29 cells. <i>Food and Function</i> , <b>2015</b> , 6, 2507-24	6.1	8
20	Antisense inhibition of $\beta$ actin mRNA localization and its effect on smooth muscle cell migration. <i>Biology of the Cell</i> , <b>1997</b> , 89, 113-122	3.5	8
19	Lowering of large bowel butyrate levels in healthy populations is unlikely to be beneficial. <i>Journal of Nutrition</i> , <b>2015</b> , 145, 1030-1	4.1	7
18	Measuring the combinatorial expression of solute transporters and metalloproteinases transcripts in colorectal cancer. <i>BMC Research Notes</i> , <b>2009</b> , 2, 164	2.3	7
17	The rough (ro+) gene as a dominant P-element marker in germ line transformation of <i>Drosophila melanogaster</i> . <i>Gene</i> , <b>1992</b> , 114, 187-93	3.8	7
16	Resistant starch alters colonic contractility and expression of related genes in rats fed a Western diet. <i>Digestive Diseases and Sciences</i> , <b>2015</b> , 60, 1624-32	4	6
15	Cost-effectiveness of an advance notification letter to increase colorectal cancer screening. <i>International Journal of Technology Assessment in Health Care</i> , <b>2013</b> , 29, 261-8	1.8	6
14	RNA hairpin loops repress protein synthesis more strongly than hammerhead ribozymes. <i>FEBS Journal</i> , <b>1999</b> , 266, 260-73		6
13	Dietary butyrylated high-amylose starch reduces azoxymethane-induced colonic O(6)-methylguanine adducts in rats as measured by immunohistochemistry and high-pressure liquid chromatography. <i>Nutrition Research</i> , <b>2016</b> , 36, 982-988	4	6
12	An association between the PTGS2 rs5275 polymorphism and colorectal cancer risk in families with inherited non-syndromic predisposition. <i>European Journal of Human Genetics</i> , <b>2013</b> , 21, 1389-95	5.3	5

11	Rough genes with Deformed homeobox substitutions exhibit rough regulatory specificity during <i>Drosophila</i> eye development. <i>Mechanisms of Development</i> , <b>1993</b> , 41, 57-68	1.7	5
10	Hydrodynamic radii of solubilized high amylose native and modified starches by pulsed field gradient NMR diffusion measurements. <i>Food Hydrocolloids</i> , <b>2014</b> , 40, 16-21	10.6	4
9	Dietary supplementation of propionylated starch to domestic cats provides propionic acid as gluconeogenic substrate potentially sparing the amino acid valine. <i>Journal of Nutritional Science</i> , <b>2014</b> , 3, e16	2.7	4
8	Minimized hammerhead ribozymes. <i>Methods in Molecular Biology</i> , <b>1997</b> , 74, 151-9	1.4	3
7	Antisense inhibition of F-actin mRNA localization and its effect on smooth muscle cell migration <b>1997</b> , 89, 113		3
6	A prediction model for colon cancer surveillance data. <i>Statistics in Medicine</i> , <b>2015</b> , 34, 2662-75	2.3	2
5	Acetylated High Amylose Maize Starch Improves the Efficacy of Oral Rehydration Solution in a Rat Model of Cholera. <i>Gastroenterology</i> , <b>2011</b> , 140, S-134	13.3	2
4	Little evidence for association between the TGFBR1*6A variant and colorectal cancer: a family-based association study on non-syndromic family members from Australia and Spain. <i>BMC Cancer</i> , <b>2014</b> , 14, 475	4.8	1
3	Influence of Helix Length on Cleavage Efficiency of Hammerhead Ribozymes. <i>Australian Journal of Chemistry</i> , <b>2005</b> , 58, 851	1.2	1
2	Small Efficient Hammerhead Ribozymes <b>1998</b> , 1-16		1
1	Microbes, Metabolites and Health <b>2016</b> , 13-48		