Escherichia coli in chronic inflammatory bowel d invasive Escherichia coli pathogenicity

World Journal of Gastrointestinal Pathophysiology

5, 213

DOI: 10.4291/wjgp.v5.i3.213

Citation Report

#	Article	IF	Citations
1	Public health risks associated with Enteroaggregative Escherichia coli (EAEC) as a foodâ€borne pathogen. EFSA Journal, 2015, 13, 4330.	0.9	13
2	Multidrug Efflux Pumps from Enterobacteriaceae, Vibrio cholerae and Staphylococcus aureus Bacterial Food Pathogens. International Journal of Environmental Research and Public Health, 2015, 12, 1487-1547.	1.2	117
3	Microbial Population Differentials between Mucosal and Submucosal Intestinal Tissues in Advanced Crohn's Disease of the Ileum. PLoS ONE, 2015, 10, e0134382.	1.1	121
4	Cellular and Molecular Connections between Autophagy and Inflammation. Mediators of Inflammation, 2015, 2015, 1-13.	1.4	129
5	Potential role of Escherichia coli DNA mismatch repair proteins in colon cancer. Critical Reviews in Oncology/Hematology, 2015, 96, 475-482.	2.0	36
6	The microbiota in inflammatory bowel disease. Journal of Gastroenterology, 2015, 50, 495-507.	2.3	196
7	The DNA Sensor AIM2 Maintains Intestinal Homeostasis via Regulation of Epithelial Antimicrobial Host Defense. Cell Reports, 2015, 13, 1922-1936.	2.9	101
8	The Gut Microbiota in Immune-Mediated Inflammatory Diseases. Frontiers in Microbiology, 2016, 7, 1081.	1.5	315
9	Genetic Analysis and Detection of fliCH1 and fliCH12 Genes Coding for Serologically Closely Related Flagellar Antigens in Human and Animal Pathogenic Escherichia coli. Frontiers in Microbiology, 2016, 7, 135.	1.5	6
10	Acute Infectious Gastroenteritis Potentiates a Crohn's Disease Pathobiont to Fuel Ongoing Inflammation in the Post-Infectious Period. PLoS Pathogens, 2016, 12, e1005907.	2.1	32
11	Mucosaâ€attached bacterial community in Crohn's disease coheres with the clinical disease activity index. Environmental Microbiology Reports, 2016, 8, 614-621.	1.0	29
12	The Vat-AIEC protease promotes crossing of the intestinal mucus layer by Crohn's disease-associatedEscherichia coli. Cellular Microbiology, 2016, 18, 617-631.	1.1	64
13	Macrophages Versus Escherichia coli. Inflammatory Bowel Diseases, 2016, 22, 2943-2955.	0.9	10
14	Impact of Cranberries on Gut Microbiota and Cardiometabolic Health: Proceedings of the Cranberry Health Research Conference 2015. Advances in Nutrition, 2016, 7, 759S-770S.	2.9	55
15	Antivirulence C-Mannosides as Antibiotic-Sparing, Oral Therapeutics for Urinary Tract Infections. Journal of Medicinal Chemistry, 2016, 59, 9390-9408.	2.9	84
16	The dual role of Escherichia coli in the course of ulcerative colitis. BMC Gastroenterology, 2016, 16, 128.	0.8	14
17	Homeostasis vs. Dysbiosis: Role of Commensal Escherichia coli in Disease. , 2016, , 281-299.		2
18	Mannose-derived FimH antagonists: a promising anti-virulence therapeutic strategy for urinary tract infections and Crohnâ€™s disease. Expert Opinion on Therapeutic Patents, 2016, 26, 175-197.	2.4	47

#	Article	IF	Citations
19	Escherichia coli: an old friend with new tidings. FEMS Microbiology Reviews, 2016, 40, 437-463.	3.9	225
20	The effect of Clostridium butyricum MIYAIRI on the prevention of pouchitis and alteration of the microbiota profile in patients with ulcerative colitis. Surgery Today, 2016, 46, 939-949.	0.7	97
21	Krill oil reduces intestinal inflammation by improving epithelial integrity and impairing adherent-invasive Escherichia coli pathogenicity. Digestive and Liver Disease, 2016, 48, 34-42.	0.4	35
22	The Enigmatic Gut in Cystic Fibrosis: Linking Inflammation, Dysbiosis, and the Increased Risk of Malignancy. Current Gastroenterology Reports, 2017, 19, 6.	1.1	53
23	Colorectal cancer-inflammatory bowel disease nexus and felony of Escherichia coli. Life Sciences, 2017, 180, 60-67.	2.0	42
24	Update on intestinal microbiota in Crohn's disease 2017: Mechanisms, clinical application, adverse reactions, and outlook. Journal of Gastroenterology and Hepatology (Australia), 2017, 32, 1804-1812.	1.4	20
25	The potential role of fecal microbiota transplantation in the treatment of inflammatory Bowel disease. Scandinavian Journal of Gastroenterology, 2017, 52, 1172-1184.	0.6	7
26	Mechanisms of Intestinal Epithelial Barrier Dysfunction byÂAdherent-Invasive Escherichia coli. Cellular and Molecular Gastroenterology and Hepatology, 2017, 3, 41-50.	2.3	87
28	Genome analysis of E. coli isolated from Crohnâ€™s disease patients. BMC Genomics, 2017, 18, 544.	1.2	37
29	Influence of Microbiota on Intestinal Immune System in Ulcerative Colitis and Its Intervention. Frontiers in Immunology, 2017, 8, 1674.	2.2	105
30	Genetic Diversity and Virulence Determinants of Escherichia coli Strains Isolated from Patients with Crohn's Disease in Spain and Chile. Frontiers in Microbiology, 2017, 8, 639.	1.5	62
31	In vitro enteroid-derived three-dimensional tissue model of human small intestinal epithelium with innate immune responses. PLoS ONE, 2017, 12, e0187880.	1.1	79
32	A novel Ruminococcus gnavus clade enriched in inflammatory bowel disease patients. Genome Medicine, 2017, 9, 103.	3.6	478
33	Rifaximin decreases virulence of Crohnâ€™s disease-associated Escherichia coli and epithelial inflammatory responses. Journal of Antibiotics, 2018, 71, 485-494.	1.0	15
34	Comparative genomics reveals new single-nucleotide polymorphisms that can assist in identification of adherent-invasive Escherichia coli. Scientific Reports, 2018, 8, 2695.	1.6	46
35	The effects of mucosal media on some pathogenic traits of Crohn's disease-associated Escherichia coli LF82. Future Microbiology, 2018, 13, 141-149.	1.0	5
36	Microbial Interactions and Interventions in Colorectal Cancer. Microbiology Spectrum, 2017, 5, .	1.2	35
37	Gut Microbiota Perturbations in Reactive Arthritis and Postinfectious Spondyloarthritis. Arthritis and Rheumatology, 2018, 70, 242-254.	2.9	88

#	Article	IF	Citations
38	Adherent-invasive Escherichia coli in inflammatory bowel disease. Gut, 2018, 67, 574-587.	6.1	366
39	The prevalence and transcriptional activity of the mucosal microbiota of ulcerative colitis patients. Scientific Reports, 2018, 8, 17278.	1.6	17
40	Metagenomics-Based, Strain-Level Analysis of Escherichia coli From a Time-Series of Microbiome Samples From a Crohn's Disease Patient. Frontiers in Microbiology, 2018, 9, 2559.	1.5	37
41	Nod2 Deficiency in mice is Associated with Microbiota Variation Favouring the Expansion of mucosal CD4+ LAP+ Regulatory Cells. Scientific Reports, 2018, 8, 14241.	1.6	25
42	N-Acetyl-glucosamine influences the biofilm formation of Escherichia coli. Gut Pathogens, 2018, 10, 26.	1.6	32
43	Microbial Interactions and Interventions in Colorectal Cancer. , 2018, , 99-130.		1
44	The Inflammasome: Regulation of Nitric Oxide and Antimicrobial Host Defence. Advances in Microbial Physiology, 2018, 72, 65-115.	1.0	22
45	Microbial Physiology of the Digestive Tract and Its Role in Inflammatory Bowel Diseases. , 2018, , 795-810.		9
46	High carriage of adherent invasive E. coli in wildlife and healthy individuals. Gut Pathogens, 2018, 10, 23.	1.6	14
47	Escherichia coli B2 strains prevalent in inflammatory bowel disease patients have distinct metabolic capabilities that enable colonization of intestinal mucosa. BMC Systems Biology, 2018, 12, 66.	3.0	39
48	The Presence of Genotoxic and/or Pro-inflammatory Bacterial Genes in Gut Metagenomic Databases and Their Possible Link With Inflammatory Bowel Diseases. Frontiers in Genetics, 2018, 9, 116.	1.1	14
49	NLRX1 Modulates Immunometabolic Mechanisms Controlling the Hostâ€“Gut Microbiota Interactions during Inflammatory Bowel Disease. Frontiers in Immunology, 2018, 9, 363.	2.2	42
50	Glucocorticoids Impair Phagocytosis and Inflammatory Response Against Crohnâ€™s Disease-Associated Adherent-Invasive Escherichia coli. Frontiers in Immunology, 2018, 9, 1026.	2.2	24
51	Gut microbes as future therapeutics in treating inflammatory and infectious diseases: Lessons from recent findings. Journal of Nutritional Biochemistry, 2018, 61, 111-128.	1.9	66
52	Gut Microbiome: Profound Implications for Diet and Disease. Nutrients, 2019, 11, 1613.	1.7	615
53	Hotspots of Sequence Variability in Gut Microbial Genes Encoding Pro-Inflammatory Factors Revealed by Oligotyping. Frontiers in Genetics, 2019, 10, 631.	1.1	0
54	Organometallic Compounds and Metal Complexes in Current and Future Treatments of Inflammatory Bowel Disease and Colorectal Cancerâ€”a Critical Review. Biomolecules, 2019, 9, 398.	1.8	12
55	Microbial genes and pathways inÂinflammatory bowel disease. Nature Reviews Microbiology, 2019, 17, 497-511.	13.6	447

#	Article	IF	Citations
56	Inflammation associated ethanolamine facilitates infection by Crohn's disease-linked adherent-invasive Escherichia coli. EBioMedicine, 2019, 43, 325-332.	2.7	42
57	Combined Nutraceuticals: A Novel Approach to Colitis-Associated Colorectal Cancer?. Nutrition and Cancer, 2019, 71, 199-206.	0.9	7
58	Metabolic adaptation of adherent-invasive Escherichia coli to exposure to bile salts. Scientific Reports, 2019, 9, 2175.	1.6	53
59	Indigo Naturalis Ameliorates Dextran Sulfate Sodium-Induced Colitis in Mice by Modulating the Intestinal Microbiota Community. Molecules, 2019, 24, 4086.	1.7	46
60	Integrating omics for a better understanding of Inflammatory Bowel Disease: a step towards personalized medicine. Journal of Translational Medicine, 2019, 17, 419.	1.8	52
61	Bacterial imbalance and gut pathologies: Association and contribution of E. coli in inflammatory bowel disease. Critical Reviews in Clinical Laboratory Sciences, 2019, 56, 1-17.	2.7	33
62	Mucosal immunity and gut microbiota in dogs with chronic enteropathy. Research in Veterinary Science, 2019, 122, 156-164.	0.9	19
63	Azithromycin and metronidazole versus metronidazole-based therapy for the induction of remission in mild to moderate paediatric Crohnâ€™s disease : a randomised controlled trial. Gut, 2019, 68, 239-247.	6.1	27
64	Adaptation of adherent-invasive E. coli to gut environment: Impact on flagellum expression and bacterial colonization ability. Gut Microbes, 2020, 11, 364-380.	4.3	49
65	Isolation and Characterization of Blueberry Polyphenolic Components and Their Effects on Gut Barrier Dysfunction. Journal of Agricultural and Food Chemistry, 2020, 68, 2940-2947.	2.4	23
66	Escherichia coli Diarrhea. , 2020, , 481-485.		9
67	Prebiotic role of softwood hemicellulose in healthy mice model. Journal of Functional Foods, 2020, 64, 103688.	1.6	20
68	Exopolysaccharides from Bacillus amyloliquefaciens DMBA-K4 ameliorate dextran sodium sulfate-induced colitis via gut microbiota modulation. Journal of Functional Foods, 2020, 75, 104212.	1.6	25
69	Health Impact and Therapeutic Manipulation of the Gut Microbiome. High-Throughput, 2020, 9, 17.	4.4	14
70	Short Chain Fatty Acids Modulate the Growth and Virulence of Pathosymbiont Escherichia coli and Host Response. Antibiotics, 2020, 9, 462.	1.5	45
71	Superimposed infections in inflammatory bowel diseases. , 2020, , 353-367.		0
72	Effect of Gluten-Free Diet on Gut Microbiota Composition in Patients with Celiac Disease and Non-Celiac Gluten/Wheat Sensitivity. Nutrients, 2020, 12, 1832.	1.7	75
73	Colonic microbiota is associated with inflammation and host epigenomic alterations in inflammatory bowel disease. Nature Communications, 2020, 11, 1512.	5.8	167

#	Article	IF	Citations
74	Pathogenicity assessment of Shiga toxinâ€producing Escherichia coli (STEC) and the public health risk posed by contamination of food with STEC. EFSA Journal, 2020, 18, e05967.	0.9	111
75	The autoimmune susceptibility gene, PTPN2, restricts expansion of a novel mouse adherent-invasive E. coli. Gut Microbes, 2020, 11, 1547-1566.	4.3	12
76	Characterization of mucosa-associated Escherichia coli strains isolated from Crohnâ€™s disease patients in Brazil. BMC Microbiology, 2020, 20, 178.	1.3	12
77	Neutrophil activation byEscherichia coliisolates from human intestine: effects of bacterial hydroperoxidase activity and surface hydrophobicity. FEBS Open Bio, 2020, 10, 414-426.	1.0	2
78	Metaphylogenetic analysis of global sewage reveals that bacterial strains associated with human disease show less degree of geographic clustering. Scientific Reports, 2020, 10, 3033.	1.6	7
79	Virulence determinants and genetic diversity of adherent-invasive Escherichia coli (AIEC) strains isolated from patients with Crohn's disease. Microbial Pathogenesis, 2020, 145, 104233.	1.3	12
80	Microbial Metabolites, Postbiotics, and Intestinal EpithelialÂFunction. Molecular Nutrition and Food Research, 2021, 65, e2000188.	1.5	52
81	Commonality of adherent-invasive Escherichia coli isolated from patients with extraintestinal infections, healthy individuals and the environment. European Journal of Clinical Microbiology and Infectious Diseases, 2021, 40, 181-192.	1.3	8
82	Glucagon-like peptide (GLP) -2 improved colonizing bacteria and reduced severity of ulcerative colitis by enhancing the diversity and abundance of intestinal mucosa. Bioengineered, 2021, 12, 5195-5209.	1.4	8
83	Guild-based analysis for understanding gut microbiome in human health and diseases. Genome Medicine, 2021, 13, 22.	3.6	83
84	Metagenome Analysis of Intestinal Bacteria in Healthy People, Patients With Inflammatory Bowel Disease and Colorectal Cancer. Frontiers in Cellular and Infection Microbiology, 2021, 11, 599734.	1.8	28
86	Alterations in Gut Microbial Communities Across Anatomical Locations in Inflammatory Bowel Diseases. Frontiers in Nutrition, 2021, 8, 615064.	1.6	14
87	Internal connections between dietary intake and gut microbiota homeostasis in disease progression of ulcerative colitis: a review. Food Science and Human Wellness, 2021, 10, 119-130.	2.2	24
88	Clinical characteristics and longâ€term outcome of E. <scp>coliâ€associated</scp> granulomatous <scp>ileocolitis</scp> in dogs: five cases (2010â€2014). Journal of Small Animal Practice, 2021, 62, 588-598.	0.5	4
89	Paediatric IBD: the host, diet & microbes in pathogenesis & treatment: a narrative review. Digestive Medicine Research, 0, 4, 6-6.	0.2	0
90	A Novel Strategy to Study the Invasive Capability of Adherent-Invasive Escherichia coli by Using Human Primary Organoid-Derived Epithelial Monolayers. Frontiers in Immunology, 2021, 12, 646906.	2.2	11
91	The Interplay between Immune System and Microbiota in Inflammatory Bowel Disease: A Narrative Review. International Journal of Molecular Sciences, 2021, 22, 3076.	1.8	35
92	Glycine regulates mucosal immunity and the intestinal microbial composition in weaned piglets. Amino Acids, 2022, 54, 385-398.	1.2	25

#	Article	IF	Citations
93	Best Practices for Microbiome Study Design in Companion Animal Research. Frontiers in Veterinary Science, 2021, 8, 644836.	0.9	19
94	Analysis of intestinal flora and inflammatory cytokine levels in children with non-infectious diarrhea. Translational Pediatrics, 2021, 10, 1340-1345.	0.5	6
95	A nadA Mutation Confers Nicotinic Acid Auxotrophy in Pro-carcinogenic Intestinal Escherichia coli NC101. Frontiers in Microbiology, 2021, 12, 670005.	1.5	3
96	Pathogenetic factors of ulcerative colitis: mainstream for 2020. Bulletin of Siberian Medicine, 2021, 20, 130-138.	0.1	1
97	Blockage of bacterial FimH prevents mucosal inflammation associated with Crohnâ€™s disease. Microbiome, 2021, 9, 176.	4.9	22
98	Genetic and Functional Differences of Escherichia coli Strains from Colorectal Cancer Mucosal Tissues. Engineering, 2022, 16, 210-219.	3.2	1
99	Gut Microbiota and A Gluten-Free Diet. , 2022, , 243-255.		0
100	Propionate catabolism by CD-associated adherent-invasive E. coli counteracts its anti-inflammatory effect. Gut Microbes, 2021, 13, 1-18.	4.3	22
101	The predominant site of bacterial translocation across the intestinal mucosal barrier occurs at the advancing disease margin in Crohn's disease. Microbiology (United Kingdom), 2016, 162, 1608-1619.	0.7	24
104	Investigation of adherent-invasive E. coli in patients with Crohn's disease. Medical Journal of the Islamic Republic of Iran, 2018, 32, 57-61.	0.9	6
105	Hemolytic uremic syndrome: differential diagnosis with the onset of inflammatory bowel diseases. Acta Biomedica, 2018, 89, 153-157.	0.2	8
106	Intestinal enteroids/organoids: A novel platform for drug discovery in inflammatory bowel diseases. World Journal of Gastroenterology, 2019, 25, 4125-4147.	1.4	47
108	Genetic similarities of Escherichia coli isolated from hospitalized patients. Progress in Health Sciences, 2017, 7, 0-0.	0.1	0
109	FEATURES OF ESCHERICHIA COLI CLINICAL STRAINS, ISOLATED FROM THE PATIENTS WITH CROHNâ€™S DISEASE. Zhurnal Mikrobiologii Epidemiologii I Immunobiologii, 2017, , 42-49.	0.3	0
110	DIFFUSELY ADHERING ESCHERICHIA COLI. Postepy Mikrobiologii, 2019, 58, 143-152.	0.1	0
111	Evaluation of bacterial biomarkers to aid in challenging inflammatory bowel diseases diagnostics and subtype classification. World Journal of Gastrointestinal Pathophysiology, 2020, 11, 64-77.	0.5	8
112	Antagonism of Adherent Invasive E. coli LF82 With Human Î±-defensin 5 in the Follicle-associated Epithelium of Patients With Ileal Crohnâ€™s Disease. Inflammatory Bowel Diseases, 2021, 27, 1116-1127.	0.9	4
114	Modulation of instinal microbiom in the formation and progression of ulterative colitis.. Vestnik Rossiiskoi Akademii Meditsinskikh Nauk, 2020, 75, 577-584.	0.2	0

#	Article	IF	Citations
115	Effect of Escherichia Coli Infection on Metabolism of Dietary Protein in Intestine. Current Protein and Peptide Science, 2020, 21, 772-776.	0.7	2
116	Prevalence, Abundance, and Virulence of Adherent-Invasive Escherichia coli in Ulcerative Colitis, Colorectal Cancer, and Coeliac Disease. Frontiers in Immunology, 2022, 13, 748839.	2.2	12
117	Gut Microbiome: Profound Implications for Diet and Disease. Kompass Nutrition & Dietetics, 0, , 1-16.	1.0	2
118	The human microbiome in disease and pathology. Apmis, 2022, 130, 690-705.	0.9	38
119	MicroRNA Expression and Intestinal Permeability in Children Living in a Slum Area of Bangladesh. Frontiers in Molecular Biosciences, 2021, 8, 765301.	1.6	3
120	Study of the diversity of 16Sâ€“23S rDNA internal transcribed spacer (ITS) typing of Escherichia coliÂstrains isolated from various biotopes in Tunisia. Archives of Microbiology, 2022, 204, 32.	1.0	0
136	The Fis Nucleoid Protein Negatively Regulates the Phase Variation fimS Switch of the Type 1 Pilus Operon in Enteropathogenic Escherichia coli. Frontiers in Microbiology, 2022, 13, 882563.	1.5	5
137	Appendix and Ulcerative Colitis: a Key to Explaining the Pathogenesis and Directing Novel Therapies?. Inflammatory Bowel Diseases, 0, , .	0.9	4
138	Adherent invasiveEscherichia coliin Crohnâ€™s disease: guilt by association?. Gut, 2023, 72, 2-3.	6.1	0
139	Phenotypicand Genotypic Characterization of Clinical Isolates of Intracellular Adherentâ€“Invasive Escherichia coli Among Different Stages, Family History, and Treated Colorectal Cancer Patients in Iran. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	3
140	Changes of intestinal microbiota and microbiota-based treatments in IBD. Archives of Microbiology, 2022, 204, .	1.0	3
141	Microenvironmental Factors that Shape Bacterial Metabolites in Inflammatory Bowel Disease. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	5
142	Characterization of Adherent-Invasive Escherichia coli (AIEC) Outer Membrane Proteins Provides Potential Molecular Markers to Screen Putative AIEC Strains. International Journal of Molecular Sciences, 2022, 23, 9005.	1.8	7
143	Phylogrouping and characterization of Escherichia coli isolated from colonic biopsies and fecal samples of patients with flare of inflammatory bowel disease in Iran. Frontiers in Medicine, 0, 9, .	1.2	1
144	Small molecule modulation of microbiota: a systems pharmacology perspective. BMC Bioinformatics, 2022, 23, .	1.2	0
145	Gut Microbiota and Inflammatory Bowel Disease. , 0, , .		0
146	The pathogenic potential and genetic attributes of Escherichia coli in milk from dairy cows with subclinical mastitis. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 0, , 1-7.	0.7	0
147	Inflammatory bowel disease-associated adherent-invasive Escherichia coli have elevated host-defense peptide resistance. FEMS Microbiology Letters, 2022, 369, .	0.7	6

#	Article	IF	Citations
148	Polyphenols and inflammatory bowel disease: Natural products with therapeutic effects?. Critical Reviews in Food Science and Nutrition, 0, , 1-24.	5.4	6
149	Differentiation of Escherichia fergusonii and Escherichia coli Isolated from Patients with Inflammatory Bowel Disease/Ischemic Colitis and Their Antimicrobial Susceptibility Patterns. Antibiotics, 2023, 12, 154.	1.5	2
150	The impact of metallic nanoparticles on gut fermentation processes: An integrated metabolomics and metagenomics approach following an in vitro digestion and fecal fermentation model. Journal of Hazardous Materials, 2023, 453, 131331.	6.5	1
151	Epigenetics and the role of nutraceuticals in health and disease. Environmental Science and Pollution Research, 2023, 30, 28480-28505.	2.7	2
152	Intestinal Microbiota and miRNA in IBD: A Narrative Review about Discoveries and Perspectives for the Future. International Journal of Molecular Sciences, 2023, 24, 7176.	1.8	5
154	LEVERAGING SMALL MOLECULES TO MODULATE THE MICROBIOME TO TREAT HUMAN DISEASES. Medicinal Chemistry Reviews, 0, , 389-414.	0.1	0
171	Infections in the Immune Interplay of Inflammatory Bowel Disease. , 2024, , 823-840.		0