

Ian M Carroll

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

2,852
citations

201674

27
h-index

243625

44
g-index

44
all docs

44
docs citations

44
times ranked

4902
citing authors

#	ARTICLE	IF	CITATIONS
1	Testing in Microbiome-Profiling Studies with MiRKAT, the Microbiome Regression-Based Kernel Association Test. <i>American Journal of Human Genetics</i> , 2015, 96, 797-807.	6.2	248
2	Molecular analysis of the luminal- and mucosal-associated intestinal microbiota in diarrhea-predominant irritable bowel syndrome. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 301, G799-G807.	3.4	246
3	The Intestinal Microbiota in Acute Anorexia Nervosa and During Renourishment. <i>Psychosomatic Medicine</i> , 2015, 77, 969-981.	2.0	237
4	Characterization of the Fecal Microbiota Using High-Throughput Sequencing Reveals a Stable Microbial Community during Storage. <i>PLoS ONE</i> , 2012, 7, e46953.	2.5	190
5	A High-Throughput Organoid Microinjection Platform to Study Gastrointestinal Microbiota and Luminal Physiology. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2018, 6, 301-319.	4.5	168
6	Luminal and mucosal-associated intestinal microbiota in patients with diarrhea-predominant irritable bowel syndrome. <i>Gut Pathogens</i> , 2010, 2, 19.	3.4	167
7	The Antipsychotic Olanzapine Interacts with the Gut Microbiome to Cause Weight Gain in Mouse. <i>PLoS ONE</i> , 2014, 9, e115225.	2.5	147
8	Microbiota maintain colonic homeostasis by activating TLR2/MyD88/PI3K signaling in IL-10-producing regulatory B cells. <i>Journal of Clinical Investigation</i> , 2019, 129, 3702-3716.	8.2	127
9	A preliminary examination of gut microbiota, sleep, and cognitive flexibility in healthy older adults. <i>Sleep Medicine</i> , 2017, 38, 104-107.	1.6	116
10	Discordant temporal development of bacterial phyla and the emergence of core in the fecal microbiota of young children. <i>ISME Journal</i> , 2016, 10, 1002-1014.	9.8	104
11	Preliminary Evidence for an Association Between the Composition of the Gut Microbiome and Cognitive Function in Neurologically Healthy Older Adults. <i>Journal of the International Neuropsychological Society</i> , 2017, 23, 700-705.	1.8	77
12	Fecal and Mucosa-Associated Intestinal Microbiota in Patients with Diarrhea-Predominant Irritable Bowel Syndrome. <i>Digestive Diseases and Sciences</i> , 2018, 63, 1890-1899.	2.3	72
13	Cross-modulation of pathogen-specific pathways enhances malnutrition during enteric co-infection with <i>Giardia lamblia</i> and enteroaggregative <i>Escherichia coli</i> . <i>PLoS Pathogens</i> , 2017, 13, e1006471.	4.7	68
14	<i>Enterococcus faecalis</i> Gelatinase Mediates Intestinal Permeability via Protease-Activated Receptor 2. <i>Infection and Immunity</i> , 2015, 83, 2762-2770.	2.2	62
15	Enteric bacterial proteases in inflammatory bowel disease- pathophysiology and clinical implications. <i>World Journal of Gastroenterology</i> , 2013, 19, 7531.	3.3	61
16	Eating Disorders and the Intestinal Microbiota: Mechanisms of Energy Homeostasis and Behavioral Influence. <i>Current Psychiatry Reports</i> , 2017, 19, 51.	4.5	51
17	Reconceptualizing anorexia nervosa. <i>Psychiatry and Clinical Neurosciences</i> , 2019, 73, 518-525.	1.8	48
18	Fecal Protease Activity Is Associated with Compositional Alterations in the Intestinal Microbiota. <i>PLoS ONE</i> , 2013, 8, e78017.	2.5	48

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19	Daily Changes in Composition and Diversity of the Intestinal Microbiota in Patients with Anorexia Nervosa: A Series of Three Cases. <i>European Eating Disorders Review</i> , 2017, 25, 423-427.	4.1	43
20	Resolvin E1 derived from eicosapentaenoic acid prevents hyperinsulinemia and hyperglycemia in a host genetic manner. <i>FASEB Journal</i> , 2020, 34, 10640-10656.	0.5	43
21	The Gut-Brain Axis in Healthy Females: Lack of Significant Association between Microbial Composition and Diversity with Psychiatric Measures. <i>PLoS ONE</i> , 2017, 12, e0170208.	2.5	41
22	Molecular detection of bacterial contamination in gnotobiotic rodent units. <i>Gut Microbes</i> , 2013, 4, 361-370.	9.8	39
23	Gut feelings: A role for the intestinal microbiota in anorexia nervosa?. <i>International Journal of Eating Disorders</i> , 2015, 48, 449-451.	4.0	38
24	Molecular characterization of the intestinal microbiota in patients with and without abdominal bloating. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, G417-G426.	3.4	38
25	The Role of the Gut Microbiota in Sustained Weight Loss Following Roux-en-Y Gastric Bypass Surgery. <i>Obesity Surgery</i> , 2019, 29, 1259-1267.	2.1	36
26	The Intestinal Microbiome in Bariatric Surgery Patients. <i>European Eating Disorders Review</i> , 2015, 23, 496-503.	4.1	34
27	Can attention to the intestinal microbiota improve understanding and treatment of anorexia nervosa?. <i>Expert Review of Gastroenterology and Hepatology</i> , 2016, 10, 565-569.	3.0	33
28	Gut Microbiome Composition in Young Nicaraguan Children During Diarrhea Episodes and Recovery. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015, 93, 1187-1193.	1.4	30
29	Sequence variant analysis reveals poor correlations in microbial taxonomic abundance between humans and mice after gnotobiotic transfer. <i>ISME Journal</i> , 2020, 14, 1809-1820.	9.8	30
30	Reframing anorexia nervosa as a metabo-psychiatric disorder. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 752-761.	7.1	28
31	Identifying mechanisms that predict weight trajectory after bariatric surgery: rationale and design of the biobehavioral trial. <i>Surgery for Obesity and Related Diseases</i> , 2020, 16, 1816-1826.	1.2	20
32	<i>Escherichia coli</i> heme oxygenase modulates host innate immune responses. <i>Microbiology and Immunology</i> , 2015, 59, 452-465.	1.4	19
33	The Binge Eating Genetics Initiative (BEGIN): study protocol. <i>BMC Psychiatry</i> , 2020, 20, 307.	2.6	19
34	Intestinal Microbial and Metabolic Alterations Following Successful Fecal Microbiota Transplant for D-lactacidosis. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2018, 67, 483-487.	1.8	17
35	Critical design aspects involved in the study of Paneth cells and the intestinal microbiota. <i>Gut Microbes</i> , 2014, 5, 208-214.	9.8	15
36	A microbial signature following bariatric surgery is robustly consistent across multiple cohorts. <i>Gut Microbes</i> , 2021, 13, 1930872.	9.8	15

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37	Gut microbial communities from patients with anorexia nervosa do not influence body weight in recipient germ-free mice. <i>Gut Microbes</i> , 2021, 13, 1-15.	9.8	14
38	Gut-Brain Interactions. <i>Gastroenterology Clinics of North America</i> , 2019, 48, 343-356.	2.2	10
39	The positive effect of malaria IPTp-SP on birthweight is mediated by gestational weight gain but modifiable by maternal carriage of enteric pathogens. <i>EBioMedicine</i> , 2022, 77, 103871.	6.1	10
40	Environmental Factors Modify the Severity of Acute DSS Colitis in Caspase-11-Deficient Mice. <i>Inflammatory Bowel Diseases</i> , 2018, 24, 2394-2403.	1.9	9
41	The intestinal microbiota and anorexia nervosa: Cause or consequence of nutrient deprivation. <i>Current Opinion in Endocrine and Metabolic Research</i> , 2021, 19, 46-51.	1.4	9
42	Beneficial effects of eicosapentaenoic acid on the metabolic profile of obese female mice entails upregulation of HEPes and increased abundance of enteric <i>Akkermansia muciniphila</i> . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2022, 1867, 159059.	2.4	9
43	Faecal Proteases from Pouchitis Patients Activate Protease Activating Receptor-2 to Disrupt the Epithelial Barrier. <i>Journal of Crohn's and Colitis</i> , 2019, 13, 1558-1568.	1.3	8
44	Comparison of Dual-Energy X-ray Absorptiometry and Bioelectrical Impedance Analysis in the Assessment of Body Composition in Women with Anorexia Nervosa upon Admission and Discharge from an Inpatient Specialist Unit. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 11388.	2.6	8