Purna C Kashyap, Mbbs

List of Publications by Year
in descending order

81 papers	7,638 citations	81839 39 h-index	82499 72 g-index
85 all docs	85 docs citations	85 times ranked	10777 citing authors

#	Article	IF	Citations
1	Gut microbes promote colonic serotonin production through an effect of shortâ€chain fatty acids on enterochromaffin cells. FASEB Journal, 2015, 29, 1395-1403.	0.2	876
2	Microbiota-liberated host sugars facilitate post-antibiotic expansion of enteric pathogens. Nature, 2013, 502, 96-99.	13.7	848
3	US Immigration Westernizes the Human Gut Microbiome. Cell, 2018, 175, 962-972.e10.	13.5	511
4	Discovery and Characterization of Gut Microbiota Decarboxylases that Can Produce the Neurotransmitter Tryptamine. Cell Host and Microbe, 2014, 16, 495-503.	5.1	473
5	Update on Fecal Microbiota Transplantation 2015: Indications, Methodologies, Mechanisms, and Outlook. Gastroenterology, 2015, 149, 223-237.	0.6	460
6	Complex Interactions Among Diet, Gastrointestinal Transit, and Gut Microbiota in Humanized Mice. Gastroenterology, 2013, 144, 967-977.	0.6	387
7	Gut Microbiota-Produced Tryptamine Activates an Epithelial G-Protein-Coupled Receptor to Increase Colonic Secretion. Cell Host and Microbe, 2018, 23, 775-785.e5.	5.1	268
8	Genetically dictated change in host mucus carbohydrate landscape exerts a diet-dependent effect on the gut microbiota. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17059-17064.	3.3	237
9	Longitudinal Multi-omics Reveals Subset-Specific Mechanisms Underlying Irritable Bowel Syndrome. Cell, 2020, 182, 1460-1473.e17.	13.5	217
10	Irritable bowel syndrome: a gut microbiota-related disorder?. American Journal of Physiology - Renal Physiology, 2017, 312, G52-G62.	1.6	198
11	Reprograming of gut microbiome energy metabolism by the <i>FUT2</i> Crohnâ€™s disease risk polymorphism. ISME Journal, 2014, 8, 2193-2206.	4.4	182
12	Small intestinal microbial dysbiosis underlies symptoms associated with functional gastrointestinal disorders. Nature Communications, 2019, 10, 2012.	5.8	168
13	Diabetic gastroparesis: what we have learned and had to unlearn in the past 5â€…years: Figure 1. Gut, 2010, 59, 1716-1726.	6.1	160
14	Microbiome at the Frontier of Personalized Medicine. Mayo Clinic Proceedings, 2017, 92, 1855-1864.	1.4	138
15	Assessment of a Personalized Approach to Predicting Postprandial Glycemic Responses to Food Among Individuals Without Diabetes. JAMA Network Open, 2019, 2, e188102.	2.8	138
16	<i>Clostridioides difficile</i> uses amino acids associated with gut microbial dysbiosis in a subset of patients with diarrhea. Science Translational Medicine, 2018, 10, .	5.8	128
17	Probiotics Reduce Mortality and Morbidity in Preterm, Low-Birth-Weight Infants: A Systematic Review and Network Meta-analysis of Randomized Trials. Gastroenterology, 2020, 159, 467-480.	0.6	128
18	Mechanosensitive ion channel Piezo2 is important for enterochromaffin cell response to mechanical forces. Journal of Physiology, 2017, 595, 79-91.	1.3	121

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19	The Gut Microbiome in Adult and Pediatric Functional Gastrointestinal Disorders. Clinical Gastroenterology and Hepatology, 2019, 17, 256-274.	2.4	119
20	Changes in microbial ecology after fecal microbiota transplantation for recurrent C. difficile infection affected by underlying inflammatory bowel disease. Microbiome, 2017, 5, 55.	4.9	118
21	Gut microbiome predictors of treatment response and recurrence in primary <i>Clostridium difficile</i> infection. Alimentary Pharmacology and Therapeutics, 2016, 44, 715-727.	1.9	94
22	The â€˜<i>in vivo</i> lifestyleâ€™ of bile acid 7Î±-dehydroxylating bacteria: comparative genomics, metatranscriptomic, and bile acid metabolomics analysis of a defined microbial community in gnotobiotic mice. Gut Microbes, 2020, 11, 381-404.	4.3	80
23	An Increased Abundance of Clostridiaceae Characterizes Arthritis in Inflammatory Bowel Disease and Rheumatoid Arthritis: A Cross-sectional Study. Inflammatory Bowel Diseases, 2019, 25, 902-913.	0.9	72
24	AGA Technical Review on the Role of Probiotics in the Management of Gastrointestinal Disorders. Gastroenterology, 2020, 159, 708-738.e4.	0.6	71
25	Human-derived gut microbiota modulates colonic secretion in mice by regulating 5-HT₃ receptor expression via acetate production. American Journal of Physiology - Renal Physiology, 2017, 313, G80-G87.	1.6	67
26	Increased Prevalence of Rare Sucrase-isomaltase PathogenicÂVariants in Irritable Bowel Syndrome Patients. Clinical Gastroenterology and Hepatology, 2018, 16, 1673-1676.	2.4	64
27	Gut Microbial Carbohydrate Metabolism Hinders Weight Loss in Overweight Adults Undergoing Lifestyle Intervention With a Volumetric Diet. Mayo Clinic Proceedings, 2018, 93, 1104-1110.	1.4	64
28	Role of gut microbiota in regulating gastrointestinal dysfunction and motor symptoms in a mouse model of Parkinsonâ€™s disease. Gut Microbes, 2021, 13, 1866974.	4.3	61
29	The promise of the gut microbiome as part of individualized treatment strategies. Nature Reviews Gastroenterology and Hepatology, 2022, 19, 7-25.	8.2	60
30	Intrinsic Gastrointestinal Macrophages: Their Phenotype and Role in Gastrointestinal Motility. Cellular and Molecular Gastroenterology and Hepatology, 2016, 2, 120-130.e1.	2.3	57
31	Serine proteases as luminal mediators of intestinal barrier dysfunction and symptom severity in IBS. Gut, 2020, 69, 62-73.	6.1	57
32	Identification of shared and disease-specific host geneâ€“microbiome associations across human diseases using multi-omic integration. Nature Microbiology, 2022, 7, 780-795.	5.9	57
33	Model of personalized postprandial glycemic response to food developed for an Israeli cohort predicts responses in Midwestern American individuals. American Journal of Clinical Nutrition, 2019, 110, 63-75.	2.2	56
34	Mutual reinforcement of pathophysiological hostâ€microbe interactions in intestinal stasis models. Physiological Reports, 2017, 5, e13182.	0.7	55
35	<i>Enterococcus faecalis</i>readily colonizes the entire gastrointestinal tract and forms biofilms in a germ-free mouse model. Virulence, 2017, 8, 282-296.	1.8	55
36	Germ-Free Mice Model for Studying Hostâ€“Microbial Interactions. Methods in Molecular Biology, 2016, 1438, 123-135.	0.4	51

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37	Beyond phylotyping: understanding the impact of gut microbiota on host biology. Neurogastroenterology and Motility, 2013, 25, 358-372.	1.6	48
38	Gut Microbiota: Modulation of Host Physiology in Obesity. Physiology, 2016, 31, 327-335.	1.6	48
39	Individualized Responses of Gut Microbiota to Dietary Intervention Modeled in Humanized Mice. MSystems, 2016, 1, .	1.7	45
40	<i>Enterococcus faecalis</i> Sex Pheromone cCF10 Enhances Conjugative Plasmid Transfer <i>In Vivo</i>. MBio, 2018, 9, .	1.8	45
41	Sex differences in NSAIDâ€induced perturbation of human intestinal barrier function and microbiota. FASEB Journal, 2018, 32, 6615-6625.	0.2	39
42	Bacterially Derived Tryptamine Increases Mucus Release by Activating a Host Receptor in a Mouse Model of Inflammatory Bowel Disease. IScience, 2020, 23, 101798.	1.9	29
43	Functional Gastrointestinal Disorders and the Microbiomeâ€"What Is the Best Strategy for Moving Microbiome-based Therapies for Functional Gastrointestinal Disorders into the Clinic?. Gastroenterology, 2021, 160, 538-555.	0.6	29
44	Multi-Omics Analyses Show Disease, Diet, and Transcriptome Interactions With the Virome. Gastroenterology, 2021, 161, 1194-1207.e8.	0.6	28
45	Oxidative ornithine metabolism supports non-inflammatory C.â€‰difficile colonization. Nature Metabolism, 2022, 4, 19-28.	5.1	28
46	A decreased abundance of clostridia characterizes the gut microbiota in eosinophilic esophagitis. Physiological Reports, 2019, 7, e14261.	0.7	27
47	The role of microbiome in pancreatic cancer. Cancer and Metastasis Reviews, 2021, 40, 777-789.	2.7	27
48	Microbiota on biotics: probiotics, prebiotics, and synbiotics to optimize growth and metabolism. American Journal of Physiology - Renal Physiology, 2020, 319, G382-G390.	1.6	26
49	Gut microbial Î²-glucuronidases regulate host luminal proteases and are depleted in irritable bowel syndrome. Nature Microbiology, 2022, 7, 680-694.	5.9	26
50	Agaro-oligosaccharides: a new frontier in the fight against colon cancer?. American Journal of Physiology - Renal Physiology, 2016, 310, G335-G336.	1.6	24
51	A Potential Role for Stress-Induced Microbial Alterations in IgA-Associated Irritable Bowel Syndrome with Diarrhea. Cell Reports Medicine, 2020, 1, 100124.	3.3	24
52	Impact of air quality on the gastrointestinal microbiome: A review. Environmental Research, 2020, 186, 109485.	3.7	24
53	<i>Clostridioides difficile</i> Whole-genome Sequencing Differentiates Relapse With the Same Strain From Reinfection With a New Strain. Clinical Infectious Diseases, 2021, 72, 806-813.	2.9	24
54	Altered gut microbiota in female mice with persistent low body weights following removal of post-weaning chronic dietary restriction. Genome Medicine, 2016, 8, 103.	3.6	20

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55	Highâ€fat dietâ€"induced alterations to gut microbiota and gutâ€derived lipoteichoic acid contributes to the development of enteric neuropathy. Neurogastroenterology and Motility, 2020, 32, e13838.	1.6	19
56	Screening for Clostridium difficile colonization on admission to a hematopoietic stem cell transplant unit may reduce hospital-acquired C difficile infection. American Journal of Infection Control, 2018, 46, 459-461.	1.1	18
57	Plasmid Acquisition Alters Vancomycin Susceptibility in Clostridioides difficile. Gastroenterology, 2021, 160, 941-945.e8.	0.6	17
58	Therapeutic implications of the gastrointestinal microbiome. Current Opinion in Pharmacology, 2018, 38, 90-96.	1.7	13
59	Berberine alters gut microbial function through modulation of bile acids. BMC Microbiology, 2021, 21, 24.	1.3	13
60	Potential Role of Inflammation-Promoting Biliary Microbiome in Primary Sclerosing Cholangitis and Cholangiocarcinoma. Cancers, 2022, 14, 2120.	1.7	10
61	Role of diet and gut microbiota in management of inflammatory bowel disease in an Asian migrant. Journal of Allergy and Clinical Immunology, 2013, 132, 250-250.e5.	1.5	7
62	Parkinsonâ€™s disease: Are gut microbes involved?. American Journal of Physiology - Renal Physiology, 2020, 319, G529-G540.	1.6	7
63	Wild primate microbiomes prevent weight gain in germ-free mice. Animal Microbiome, 2020, 2, 16.	1.5	7
64	Dynamics of plasmid-mediated niche invasion, immunity to invasion, and pheromone-inducible conjugation in the murine gastrointestinal tract. Nature Communications, 2022, 13, 1377.	5.8	4
65	Spotlight: Probiotics Guidelines. Gastroenterology, 2020, 159, 707.	0.6	3
66	Microbially derived polyunsaturated fatty acid as a modulator of gastrointestinal motility. Journal of Clinical Investigation, 2022, 132, .	3.9	3
67	Eat Your Curry. Cell Host and Microbe, 2015, 18, 385-387.	5.1	2
68	Metabolites and microbial composition of stool of women with fecal incontinence: Study design and methods. Neurourology and Urodynamics, 2018, 37, 634-641.	0.8	2
69	Diet Effects on Gut Microbiome Composition, Function, and Host Physiology. , 2018, , 755-766.		1
70	A Diet for Healthy Weight: Why Reaching a Consensus Seems Difficult. Nutrients, 2020, 12, 2997.	1.7	1
71	SSAT State-of-the-Art Conference: Advancements in the Microbiome. Journal of Gastrointestinal Surgery, 2021, 25, 1885-1895.	0.9	1
72	Bugs clogging your arteries? Take an anti-B2 shot. Science Translational Medicine, 2016, 8, 366ec187.	5.8	1

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73	Bacteriaâ€Derived Hypoxanthine Accelerates Gastrointestinal Transit. FASEB Journal, 2022, 36, .	0.2	1
74	Microbes make the cancer. Science Translational Medicine, 2016, 8, .	5.8	0
75	Iâ€™ll have a turkey and cheese sandwich. Science Translational Medicine, 2016, 8, .	5.8	0
76	Keep it moving. Science Translational Medicine, 2016, 8, .	5.8	0
77	Blow the germs away. Science Translational Medicine, 2016, 8, .	5.8	0
78	Donâ€™t mix zinc lozenges and antibiotics. Science Translational Medicine, 2016, 8, .	5.8	0
79	Tune into the rhythm of your bugs. Science Translational Medicine, 2017, 9, .	5.8	0
80	Beware! Are bacteria raising your oxidative stress?. Science Translational Medicine, 2017, 9, .	5.8	0
81	Effects of Transplanting an Exercised or Sedentary Microbiota into Gnotobiotic Mice on Global Gene Expression in Gut, Muscle, and Brain Tissue. FASEB Journal, 2019, 33, lb293.	0.2	0