

Michael J Barratt

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

3,765
citations

430874

18
h-index

526287

27
g-index

45
all docs

45
docs citations

45
times ranked

4875
citing authors

#	ARTICLE	IF	CITATIONS
1	Human Milk Oligosaccharide Compositions Illustrate Global Variations in Early Nutrition. <i>Journal of Nutrition</i> , 2022, 152, 1239-1253.	2.9	19
2	<i>Bifidobacterium infantis</i> treatment promotes weight gain in Bangladeshi infants with severe acute malnutrition. <i>Science Translational Medicine</i> , 2022, 14, eabk1107.	12.4	61
3	Products of gut microbial Toll/interleukin-1 receptor domain NADase activities in gnotobiotic mice and Bangladeshi children with malnutrition. <i>Cell Reports</i> , 2022, 39, 110738.	6.4	13
4	Gut microbiome development and childhood undernutrition. <i>Cell Host and Microbe</i> , 2022, 30, 617-626.	11.0	9
5	An approach for evaluating the effects of dietary fiber polysaccharides on the human gut microbiome and plasma proteome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2123411119.	7.1	12
6	Developing shelf-stable Microbiota Directed Complementary Food (MDCF) prototypes for malnourished children: study protocol for a randomized, single-blinded, clinical study. <i>BMC Pediatrics</i> , 2022, 22, .	1.7	2
7	Microbial liberation of N-methylserotonin from orange fiber in gnotobiotic mice and humans. <i>Cell</i> , 2022, 185, 2495-2509.e11.	28.9	26
8	A Microbiota-Directed Food Intervention for Undernourished Children. <i>New England Journal of Medicine</i> , 2021, 384, 1517-1528.	27.0	145
9	Gut microbiome contributions to altered metabolism in a pig model of undernutrition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	18
10	Evaluating microbiome-directed fibre snacks in gnotobiotic mice and humans. <i>Nature</i> , 2021, 595, 91-95.	27.8	70
11	Melding microbiome and nutritional science with early child development. <i>Nature Medicine</i> , 2021, 27, 1503-1506.	30.7	5
12	Diarrhea as a Potential Cause and Consequence of Reduced Gut Microbial Diversity Among Undernourished Children in Peru. <i>Clinical Infectious Diseases</i> , 2020, 71, 989-999.	5.8	35
13	Duodenal Microbiota in Stunted Undernourished Children with Enteropathy. <i>New England Journal of Medicine</i> , 2020, 383, 321-333.	27.0	105
14	Combined Prebiotic and Microbial Intervention Improves Oral Cholera Vaccination Responses in a Mouse Model of Childhood Undernutrition. <i>Cell Host and Microbe</i> , 2020, 27, 899-908.e5.	11.0	38
15	Proof-of-concept study of the efficacy of a microbiota-directed complementary food formulation (MDCF) for treating moderate acute malnutrition. <i>BMC Public Health</i> , 2020, 20, 242.	2.9	20
16	Effects of microbiota-directed foods in gnotobiotic animals and undernourished children. <i>Science</i> , 2019, 365, .	12.6	305
17	A sparse covarying unit that describes healthy and impaired human gut microbiota development. <i>Science</i> , 2019, 365, .	12.6	136
18	Study of Environmental Enteropathy and Malnutrition (SEEM) in Pakistan: protocols for biopsy based biomarker discovery and validation. <i>BMC Pediatrics</i> , 2019, 19, 247.	1.7	22

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19	Mechanisms by which sialylated milk oligosaccharides impact bone biology in a gnotobiotic mouse model of infant undernutrition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11988-11996.	7.1	55
20	The effects of micronutrient deficiencies on bacterial species from the human gut microbiota. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	190
21	The Gut Microbiota, Food Science, and Human Nutrition: A Timely Marriage. <i>Cell Host and Microbe</i> , 2017, 22, 134-141.	11.0	87
22	Food and microbiota in the FDA regulatory framework. <i>Science</i> , 2017, 357, 39-40.	12.6	28
23	Bangladesh Environmental Enteric Dysfunction (BEED) study: protocol for a community-based intervention study to validate non-invasive biomarkers of environmental enteric dysfunction. <i>BMJ Open</i> , 2017, 7, e017768.	1.9	47
24	Childhood undernutrition, the gut microbiota, and microbiota-directed therapeutics. <i>Science</i> , 2016, 352, 1533-1533.	12.6	183
25	Gut bacteria that prevent growth impairments transmitted by microbiota from malnourished children. <i>Science</i> , 2016, 351, .	12.6	580
26	Sialylated Milk Oligosaccharides Promote Microbiota-Dependent Growth in Models of Infant Undernutrition. <i>Cell</i> , 2016, 164, 859-871.	28.9	497
27	Persistent gut microbiota immaturity in malnourished Bangladeshi children. <i>Nature</i> , 2014, 510, 417-421.	27.8	1,019
28	Business Development Strategies in the Repositioning Industry. , 2012, , 433-444.		0