

Hein M Tun

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

3,645
citations

136950

32
h-index

149698

56
g-index

87
all docs

87
docs citations

87
times ranked

5101
citing authors

#	ARTICLE	IF	CITATIONS
1	Meta-analysis of effects of exclusive breastfeeding on infant gut microbiota across populations. <i>Nature Communications</i> , 2018, 9, 4169.	12.8	283
2	Roles of Birth Mode and Infant Gut Microbiota in Intergenerational Transmission of Overweight and Obesity From Mother to Offspring. <i>JAMA Pediatrics</i> , 2018, 172, 368.	6.2	235
3	Association of Exposure to Formula in the Hospital and Subsequent Infant Feeding Practices With Gut Microbiota and Risk of Overweight in the First Year of Life. <i>JAMA Pediatrics</i> , 2018, 172, e181161.	6.2	218
4	Exposure to household furry pets influences the gut microbiota of infants at 3-4 months following various birth scenarios. <i>Microbiome</i> , 2017, 5, 40.	11.1	197
5	High Molecular Weight Barley β -Glucan Alters Gut Microbiota Toward Reduced Cardiovascular Disease Risk. <i>Frontiers in Microbiology</i> , 2016, 7, 129.	3.5	133
6	Comparison of DNA-, PMA-, and RNA-based 16S rRNA Illumina sequencing for detection of live bacteria in water. <i>Scientific Reports</i> , 2017, 7, 5752.	3.3	116
7	Genomic insights into high exopolysaccharide-producing dairy starter bacterium <i>Streptococcus thermophilus</i> ASCC 1275. <i>Scientific Reports</i> , 2014, 4, 4974.	3.3	109
8	Towards a metagenomic understanding on enhanced biomethane production from waste activated sludge after pH 10 pretreatment. <i>Biotechnology for Biofuels</i> , 2013, 6, 38.	6.2	108
9	Detection of Antibiotic Resistance Genes in Source and Drinking Water Samples from a First Nations Community in Canada. <i>Applied and Environmental Microbiology</i> , 2016, 82, 4767-4775.	3.1	103
10	Effects of grain feeding on microbiota in the digestive tract of cattle. <i>Animal Frontiers</i> , 2016, 6, 13-19.	1.7	97
11	Nutritional Models of Experimentally-Induced Subacute Ruminal Acidosis (SARA) Differ in Their Impact on Rumen and Hindgut Bacterial Communities in Dairy Cows. <i>Frontiers in Microbiology</i> , 2016, 7, 2128.	3.5	97
12	Gene-centric metagenomics analysis of feline intestinal microbiome using 454 junior pyrosequencing. <i>Journal of Microbiological Methods</i> , 2012, 88, 369-376.	1.6	93
13	An extended single-index multiplexed 16S rRNA sequencing for microbial community analysis on MiSeq illumina platforms. <i>Journal of Basic Microbiology</i> , 2016, 56, 321-326.	3.3	93
14	Gut microbiota composition is associated with SARS-CoV-2 vaccine immunogenicity and adverse events. <i>Gut</i> , 2022, 71, 1106-1116.	12.1	84
15	Re-emerging of porcine respiratory and reproductive syndrome virus (lineage 3) and increased pathogenicity after genomic recombination with vaccine variant. <i>Veterinary Microbiology</i> , 2015, 175, 332-340.	1.9	78
16	Bacteroides-dominant gut microbiome of late infancy is associated with enhanced neurodevelopment. <i>Gut Microbes</i> , 2021, 13, 1-17.	9.8	74
17	Cesarean Section, Formula Feeding, and Infant Antibiotic Exposure: Separate and Combined Impacts on Gut Microbial Changes in Later Infancy. <i>Frontiers in Pediatrics</i> , 2017, 5, 200.	1.9	69
18	Common Distribution of <i>gad</i> Operon in <i>Lactobacillus brevis</i> and its <i>GadA</i> Contributes to Efficient GABA Synthesis toward Cytosolic Near-Neutral pH. <i>Frontiers in Microbiology</i> , 2017, 8, 206.	3.5	61

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19	Linking Peripartal Dynamics of Ruminal Microbiota to Dietary Changes and Production Parameters. <i>Frontiers in Microbiology</i> , 2017, 7, 2143.	3.5	58
20	Impact of outdoor nature-related activities on gut microbiota, fecal serotonin, and perceived stress in preschool children: the Play&Grow randomized controlled trial. <i>Scientific Reports</i> , 2020, 10, 21993.	3.3	58
21	Probiotics, prebiotics, synbiotics, and fecal microbiota transplantation in the treatment of behavioral symptoms of autism spectrum disorder: A systematic review. <i>Autism Research</i> , 2021, 14, 1820-1836.	3.8	57
22	Current and emerging therapies for managing hyperphagia and obesity in Praderâ€Willi syndrome: A narrative review. <i>Obesity Reviews</i> , 2020, 21, e12992.	6.5	56
23	Microbial Diversity and Evidence of Novel Homoacetogens in the Gut of Both Geriatric and Adult Giant Pandas (<i>Ailuropoda melanoleuca</i>). <i>PLoS ONE</i> , 2014, 9, e79902.	2.5	53
24	The first case study of wastewater-based epidemiology of COVID-19 in Hong Kong. <i>Science of the Total Environment</i> , 2021, 790, 148000.	8.0	50
25	Multi-platform omics analysis reveals molecular signature for COVID-19 pathogenesis, prognosis and drug target discovery. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 155.	17.1	49
26	Comparison of virus concentration methods and RNA extraction methods for SARS-CoV-2 wastewater surveillance. <i>Science of the Total Environment</i> , 2022, 824, 153687.	8.0	49
27	Postnatal exposure to household disinfectants, infant gut microbiota and subsequent risk of overweight in children. <i>Cmaj</i> , 2018, 190, E1097-E1107.	2.0	46
28	Gestational diabetes mellitus is associated with the neonatal gut microbiota and metabolome. <i>BMC Medicine</i> , 2021, 19, 120.	5.5	44
29	Microbial community in microbial fuel cell (MFC) medium and effluent enriched with purple photosynthetic bacterium (<i>Rhodospseudomonas</i> sp.). <i>AMB Express</i> , 2014, 4, 22.	3.0	43
30	Impact of xylanases on gut microbiota of growing pigs fed corn- or wheat-based diets. <i>Animal Nutrition</i> , 2018, 4, 339-350.	5.1	41
31	Characterization of cecal microbiota of the emu (<i>Dromaius novaehollandiae</i>). <i>Veterinary Microbiology</i> , 2013, 166, 304-310.	1.9	35
32	Pyrosequencing of the bacteria associated with <i>Platygyra carnosus</i> corals with skeletal growth anomalies reveals differences in bacterial community composition in apparently healthy and diseased tissues. <i>Frontiers in Microbiology</i> , 2015, 6, 1142.	3.5	35
33	Characterization of respiratory microbial dysbiosis in hospitalized COVID-19 patients. <i>Cell Discovery</i> , 2021, 7, 23.	6.7	34
34	Phylodynamics of H5N1 avian influenza virus in Indonesia. <i>Molecular Ecology</i> , 2012, 21, 3062-3077.	3.9	33
35	Bacteria in drinking water sources of a First Nation reserve in Canada. <i>Science of the Total Environment</i> , 2017, 575, 813-819.	8.0	32
36	From Birth to Overweight and Atopic Disease: Multiple and Common Pathways of the Infant Gut Microbiome. <i>Gastroenterology</i> , 2021, 160, 128-144.e10.	1.3	31

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37	Dietary supplementation with flaxseed meal and oat hulls modulates intestinal histomorphometric characteristics, digesta- and mucosa-associated microbiota in pigs. <i>Scientific Reports</i> , 2018, 8, 5880.	3.3	30
38	Natural environments in the urban context and gut microbiota in infants. <i>Environment International</i> , 2020, 142, 105881.	10.0	30
39	Increased risk of gestational diabetes mellitus in women with higher prepregnancy ambient PM2.5 exposure. <i>Science of the Total Environment</i> , 2020, 730, 138982.	8.0	26
40	The association between early life antibiotic use and allergic disease in young children: recent insights and their implications. <i>Expert Review of Clinical Immunology</i> , 2018, 14, 841-855.	3.0	25
41	Monitoring Survivability and Infectivity of Porcine Epidemic Diarrhea Virus (PEDv) in the Infected On-Farm Earthen Manure Storages (EMS). <i>Frontiers in Microbiology</i> , 2016, 7, 265.	3.5	23
42	<i>Clostridioides difficile</i> Colonization Is Differentially Associated With Gut Microbiome Profiles by Infant Feeding Modality at 3–4 Months of Age. <i>Frontiers in Immunology</i> , 2019, 10, 2866.	4.8	22
43	<i>Saccharomyces cerevisiae</i> fermentation products (SCFP) stabilize the ruminal microbiota of lactating dairy cows during periods of a depressed rumen pH. <i>BMC Veterinary Research</i> , 2020, 16, 237.	1.9	22
44	Quantification of SARS-CoV-2 RNA in wastewater treatment plants mirrors the pandemic trend in Hong Kong. <i>Science of the Total Environment</i> , 2022, 844, 157121.	8.0	22
45	The effect of diet and host genotype on ceca microbiota of Japanese quail fed a cholesterol enriched diet. <i>Frontiers in Microbiology</i> , 2015, 6, 1092.	3.5	20
46	Sex-specific impact of asthma during pregnancy on infant gut microbiota. <i>European Respiratory Journal</i> , 2017, 50, 1700280.	6.7	20
47	Deletion of the Toll-Like Receptor 5 Gene Per Se Does Not Determine the Gut Microbiome Profile That Induces Metabolic Syndrome: Environment Trumps Genotype. <i>PLoS ONE</i> , 2016, 11, e0150943.	2.5	20
48	Use of Sewage Surveillance for COVID-19: A Large-Scale Evidence-Based Program in Hong Kong. <i>Environmental Health Perspectives</i> , 2022, 130, 57008.	6.0	20
49	Selective Induction of Homeostatic Th17 Cells in the Murine Intestine by Cholera Toxin Interacting with the Microbiota. <i>Journal of Immunology</i> , 2017, 199, 312-322.	0.8	18
50	The Gut Microbiota Profile in Children with Prader-Willi Syndrome. <i>Genes</i> , 2020, 11, 904.	2.4	18
51	Genetic diversity and multiple introductions of porcine reproductive and respiratory syndrome viruses in Thailand. <i>Virology Journal</i> , 2011, 8, 164.	3.4	16
52	Risk factors for H7 and H9 infection in commercial poultry farm workers in provinces within Pakistan. <i>Preventive Veterinary Medicine</i> , 2014, 117, 610-614.	1.9	16
53	Vitamin D supplementation in pregnancy and early infancy in relation to gut microbiota composition and <i>C. difficile</i> colonization: implications for viral respiratory infections. <i>Gut Microbes</i> , 2020, 12, 1799734.	9.8	16
54	Ethnicity Associations With Food Sensitization Are Mediated by Gut Microbiota Development in the First Year of Life. <i>Gastroenterology</i> , 2021, 161, 94-106.	1.3	16

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55	Composition and Functions of the Gut Microbiome in Pediatric Obesity: Relationships with Markers of Insulin Resistance. <i>Microorganisms</i> , 2021, 9, 1490.	3.6	15
56	Prenatal Depression, Breastfeeding, and Infant Gut Microbiota. <i>Frontiers in Microbiology</i> , 2021, 12, 664257.	3.5	15
57	Impact of Maternal Intrapartum Antibiotics, and Caesarean Section with and without Labour on Bifidobacterium and Other Infant Gut Microbiota. <i>Microorganisms</i> , 2021, 9, 1847.	3.6	15
58	Complete genome sequence and comparative genome analysis of <i>Klebsiella oxytoca</i> HKOPL1 isolated from giant panda feces. <i>BMC Research Notes</i> , 2014, 7, 827.	1.4	14
59	A survey of gastro-intestinal parasitic infection in domestic and wild birds in Chittagong and Greater Sylhet, Bangladesh. <i>Preventive Veterinary Medicine</i> , 2014, 117, 305-312.	1.9	14
60	Interaction of genotype and diet on small intestine microbiota of Japanese quail fed a cholesterol enriched diet. <i>Scientific Reports</i> , 2018, 8, 2381.	3.3	14
61	Role of gut microbiota in travel-related acquisition of extended spectrum β -lactamase-producing Enterobacteriaceae. <i>Journal of Travel Medicine</i> , 2021, 28, .	3.0	14
62	Gut microbiome and resistome changes during the first wave of the COVID-19 pandemic in comparison with pre-pandemic travel-related changes. <i>Journal of Travel Medicine</i> , 2021, 28, .	3.0	14
63	A Universal LC-MS/MS Method for Simultaneous Detection of Antibiotic Residues in Animal and Environmental Samples. <i>Antibiotics</i> , 2022, 11, 845.	3.7	13
64	Evaluation of RT-qPCR Primer-Probe Sets to Inform Public Health Interventions Based on COVID-19 Sewage Tests. <i>Environmental Science & Technology</i> , 2022, 56, 8875-8884.	10.0	11
65	Molecular epidemiology of influenza A (H5N1) viruses, Bangladesh, 2007â€“2011. <i>Preventive Veterinary Medicine</i> , 2013, 111, 314-318.	1.9	8
66	Complete Genome Sequence of <i>Staphylococcus xylosus</i> HKUOPL8, a Potential Opportunistic Pathogen of Mammals. <i>Genome Announcements</i> , 2014, 2, .	0.8	8
67	Coronavirus seroprevalence among villagers exposed to bats in Thailand. <i>Zoonoses and Public Health</i> , 2021, 68, 464-473.	2.2	7
68	Metagenomic Survey Reveals More Diverse and Abundant Antibiotic Resistance Genes in Municipal Wastewater Than Hospital Wastewater. <i>Frontiers in Microbiology</i> , 2021, 12, 712843.	3.5	6
69	Alleviation of Hepatic Steatosis: Dithizone-Related Gut Microbiome Restoration During Paneth Cell Dysfunction. <i>Frontiers in Microbiology</i> , 2022, 13, 813783.	3.5	6
70	The New Foe and Old Friends: Are We Ready for Microbiota-Based Therapeutics in Treating COVID-19 Patients?. <i>Gastroenterology</i> , 2021, 160, 2192-2193.	1.3	4
71	Efficacy of metformin and fermentable fiber combination therapy in adolescents with severe obesity and insulin resistance: study protocol for a double-blind randomized controlled trial. <i>Trials</i> , 2021, 22, 148.	1.6	4
72	Gut microbiota insights into human adaption to highâ€­plateau diet. , 2022, 1, .		3

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73	Role of Gut Microbiota in Cardiovascular Disease that Links to Host Genotype and Diet. , 0, , .		1
74	Commentary: The Influence of Proton Pump Inhibitors on the Fecal Microbiome of Infants with Gastroesophageal Reflux-A Prospective Longitudinal Interventional Study. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 430.	3.9	1
75	Veterinary Experiences can Inform One Health Strategies for Animal Coronaviruses. <i>EcoHealth</i> , 2021, 18, 301-314.	2.0	1
76	Unpacking Multi-Level Governance of Antimicrobial Resistance Policies: the Case of Guangdong, China. <i>Health Policy and Planning</i> , 0, , .	2.7	1
77	0501 Comparative genomics of <i>Lactobacillus brevis</i> uncovers its common capability for efficiently synthesizing neuroactive β -aminobutyric acid. <i>Journal of Animal Science</i> , 2016, 94, 241-241.	0.5	0
78	<i>Clostridioides Difficile</i> Colonization Is Differentially Associated with Gut Microbiota Composition in Breastfed versus Formula Fed Infants (OR01-02-19). <i>Current Developments in Nutrition</i> , 2019, 3, nzz040.OR01-02-19.	0.3	0
79	Upholding veterinary services as a pillar of one health in Myanmar. <i>One Health</i> , 2021, 13, 100329.	3.4	0
80	Gut microbial-induced inflammation: normal aging or lifestyle changes?. <i>Journal of Laboratory and Precision Medicine</i> , 0, 2, 48-48.	1.1	0
81	Early-Life Social and Economic Adversities on Health. , 2020, , 181-193.		0