Bryan D Merrill

List of Publications by Year
in descending order

24 papers	2,425 citations	623734 14 h-index	610901 24 g-index
31 all docs	31 docs citations	31 times ranked	2975 citing authors

#	Article	IF	Citations
1	A gut bacterial pathway metabolizes aromatic amino acids into nine circulating metabolites. Nature, 2017, 551, 648-652.	27.8	805
2	Gut-microbiota-targeted diets modulate human immune status. Cell, 2021, 184, 4137-4153.e14.	28.9	482
3	Community-led, integrated, reproducible multi-omics with anviâ€™o. Nature Microbiology, 2021, 6, 3-6.	13.3	370
4	A metabolomics pipeline for the mechanistic interrogation of the gut microbiome. Nature, 2021, 595, 415-420.	27.8	198
5	Software-based analysis of bacteriophage genomes, physical ends, and packaging strategies. BMC Genomics, 2016, 17, 679.	2.8	87
6	Phase-variable capsular polysaccharides and lipoproteins modify bacteriophage susceptibility in Bacteroides thetaiotaomicron. Nature Microbiology, 2020, 5, 1170-1181.	13.3	82
7	Robust variation in infant gut microbiome assembly across a spectrum of lifestyles. Science, 2022, 376, 1220-1223.	12.6	63
8	Bacteroides thetaiotaomicron-Infecting Bacteriophage Isolates Inform Sequence-Based Host Range Predictions. Cell Host and Microbe, 2020, 28, 371-379.e5.	11.0	54
9	The Genomes, Proteomes, and Structures of Three Novel Phages That Infect the Bacillus cereus Group and Carry Putative Virulence Factors. Journal of Virology, 2014, 88, 11846-11860.	3.4	37
10	Characterization of Paenibacillus larvae bacteriophages and their genomic relationships to firmicute bacteriophages. BMC Genomics, 2014, 15, 745.	2.8	32
11	Bacteriophages as an alternative to conventional antibiotic use for the prevention or treatment of Paenibacillus larvae in honeybee hives. Journal of Invertebrate Pathology, 2017, 150, 94-100.	3.2	31
12	Putative type 1 thymidylate synthase and dihydrofolate reductase as signature genes of a novel bastille-like group of phages in the subfamily Spounavirinae. BMC Genomics, 2015, 16, 582.	2.8	26
13	Characterization of Five Novel Brevibacillus Bacteriophages and Genomic Comparison of Brevibacillus Phages. PLoS ONE, 2016, 11, e0156838.	2.5	22
14	Genome Sequences of 19 Novel Erwinia amylovora Bacteriophages. Genome Announcements, 2017, 5, .	0.8	22
15	Complete Genome Sequences of Five Paenibacillus larvae Bacteriophages. Genome Announcements, 2013, 1, .	0.8	13
16	Complete Genome Sequences of Paenibacillus larvae Phages BN12, Dragolir, Kiel007, Leyra, Likha, Pagassa, PBL1c, and Tadhana. Genome Announcements, 2018, 6, .	0.8	12
17	The CIAMIB: a Large and Metabolically Diverse Collection of Inflammation-Associated Bacteria from the Murine Gut. MBio, 2022, , e0294921.	4.1	11
18	Bystander Phage Therapy: Inducing Host-Associated Bacteria to Produce Antimicrobial Toxins against the Pathogen Using Phages. Antibiotics, 2018, 7, 105.	3.7	10

#	Article	IF	Citations
19	Genome Sequences of Three Novel Bacillus cereus Bacteriophages. Genome Announcements, 2014, 2, .	0.8	9
20	Independent host- and bacterium-based determinants protect a model symbiosis from phage predation. Cell Reports, 2022, 38, 110376.	6.4	9
21	A PCR-Based Method for Distinguishing between Two Common Beehive Bacteria, Paenibacillus larvae and Brevibacillus laterosporus. Applied and Environmental Microbiology, 2018, 84, .	3.1	6
22	Complete Genome Sequences of 18 Paenibacillus larvae Phages from the Western United States. Microbiology Resource Announcements, 2018, 7, .	0.6	5
23	Genome Sequences of Five Additional Brevibacillus laterosporus Bacteriophages. Genome Announcements, 2015, 3, .	0.8	4
24	Genome Sequences of Five B1 Subcluster Mycobacteriophages. Genome Announcements, 2013, 1, .	0.8	1