George Armstrong

List of Publications by Year
in descending order

10	261	1478505	1474206
papers	citations	6	9
		h-index	g-index

12	12	12	363
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Context-aware dimensionality reduction deconvolutes gut microbial community dynamics. Nature Biotechnology, 2021, 39, 165-168.	17.5	61
2	SARS-CoV-2 detection status associates with bacterial community composition in patients and the hospital environment. Microbiome, 2021, 9, 132.	11.1	37
3	EMPress Enables Tree-Guided, Interactive, and Exploratory Analyses of Multi-omic Data Sets. MSystems, 2021, 6, .	3.8	36
4	Phylogeny-Aware Analysis of Metagenome Community Ecology Based on Matched Reference Genomes while Bypassing Taxonomy. MSystems, 2022, 7, e0016722.	3.8	35
5	Uniform Manifold Approximation and Projection (UMAP) Reveals Composite Patterns and Resolves Visualization Artifacts in Microbiome Data. MSystems, 2021, 6, e0069121.	3.8	27
6	Efficient computation of Faith's phylogenetic diversity with applications in characterizing microbiomes. Genome Research, 2021, 31, 2131-2137.	5.5	16
7	Applications and Comparison of Dimensionality Reduction Methods for Microbiome Data. Frontiers in Bioinformatics, 2022, 2, .	2.1	10
8	Compositionally Aware Phylogenetic Beta-Diversity Measures Better Resolve Microbiomes Associated with Phenotype. MSystems, 2022, 7, e0005022.	3.8	4
9	Swapping Metagenomics Preprocessing Pipeline Components Offers Speed and Sensitivity Increases. MSystems, 2022, 7, e0137821.	3.8	3
10	Optimizing UniFrac with OpenACC Yields Greater Than One Thousand Times Speed Increase. MSystems, 2022, 7, .	3.8	2