Lawrence A David

List of Publications by Year
in descending order

33 papers	11,795 citations	257450 24 h-index	377865 34 g-index
53 all docs	53 docs citations	53 times ranked	18432 citing authors

#	Article	IF	Citations
1	Conceptual Exchanges for Understanding Free-Living and Host-Associated Microbiomes. MSystems, 2022, 7, e0137421.	3.8	3
2	Modulation of microbial community dynamics by spatial partitioning. Nature Chemical Biology, 2022, 18, 394-402.	8.0	23
3	Predicting Vibrio cholerae Infection and Disease Severity Using Metagenomics in a Prospective Cohort Study. Journal of Infectious Diseases, 2021, 223, 342-351.	4.0	25
4	The Pediatric Obesity Microbiome and Metabolism Study (POMMS): Methods, Baseline Data, and Early Insights. Obesity, 2021, 29, 569-578.	3.0	19
5	Genotypic and Phenotypic Diversity among Human Isolates of Akkermansia muciniphila. MBio, 2021, 12, .	4.1	60
6	Measuring and mitigating PCR bias in microbiota datasets. PLoS Computational Biology, 2021, 17, e1009113.	3.2	43
7	The emergence of microbiome centres. Nature Microbiology, 2020, 5, 2-3.	13.3	13
8	Conserved anti-inflammatory effects and sensing of butyrate in zebrafish. Gut Microbes, 2020, 12, 1824563.	9.8	41
9	Short-Chain Fatty Acid Production by Gut Microbiota from Children with Obesity Differs According to Prebiotic Choice and Bacterial Community Composition. MBio, 2020, 11, .	4.1	49
10	Naught all zeros in sequence count data are the same. Computational and Structural Biotechnology Journal, 2020, 18, 2789-2798.	4.1	87
11	Interindividual Variation in Dietary Carbohydrate Metabolism by Gut Bacteria Revealed with Droplet Microfluidic Culture. MSystems, 2020, 5, .	3.8	34
12	Using DNA Metabarcoding To Evaluate the Plant Component of Human Diets: a Proof of Concept. MSystems, 2019, 4, .	3.8	18
13	Phylofactorization: a graph partitioning algorithm to identify phylogenetic scales of ecological data. Ecological Monographs, 2019, 89, e01353.	5.4	52
14	Toward Personalized Control of Human Gut Bacterial Communities. MSystems, 2018, 3, .	3.8	2
15	Plant community and soil conditions individually affect soil microbial community assembly in experimental mesocosms. Ecology and Evolution, 2018, 8, 1196-1205.	1.9	31
16	Dynamic linear models guide design and analysis of microbiota studies within artificial human guts. Microbiome, 2018, 6, 202.	11.1	54
17	Microbial nitrogen limitation in the mammalian large intestine. Nature Microbiology, 2018, 3, 1441-1450.	13.3	107
18	Human Gut Microbiota Predicts Susceptibility to Vibrio cholerae Infection. Journal of Infectious Diseases, 2018, 218, 645-653.	4.0	60

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19	Antibiotic-induced changes in the microbiota disrupt redox dynamics in the gut. ELife, 2018, 7, .	6.0	121
20	A phylogenetic transform enhances analysis of compositional microbiota data. ELife, 2017, 6, .	6.0	247
21	Phylogenetic factorization of compositional data yields lineage-level associations in microbiome datasets. PeerJ, 2017, 5, e2969.	2.0	105
22	Gut Microbial Succession Follows Acute Secretory Diarrhea in Humans. MBio, 2015, 6, e00381-15.	4.1	150
23	Ontogenetic Differences in Dietary Fat Influence Microbiota Assembly in the Zebrafish Gut. MBio, 2015, 6, e00687-15.	4.1	101
24	Host lifestyle affects human microbiota on daily timescales. Genome Biology, 2014, 15, R89.	9.6	735
25	Diet rapidly and reproducibly alters the human gut microbiome. Nature, 2014, 505, 559-563.	27.8	7,592
26	Reproducibility of Vibrionaceae population structure in coastal bacterioplankton. ISME Journal, 2013, 7, 509-519.	9.8	50
27	Ecology drives a global network of gene exchange connecting the human microbiome. Nature, 2011, 480, 241-244.	27.8	788
28	Metapopulation structure of Vibrionaceae among coastal marine invertebrates. Environmental Microbiology, 2011, 13, 265-275.	3.8	76
29	Rapid evolutionary innovation during an Archaean genetic expansion. Nature, 2011, 469, 93-96.	27.8	344
30	Looking for Darwin's footprints in the microbial world. Trends in Microbiology, 2009, 17, 196-204.	7.7	94
31	Resource Partitioning and Sympatric Differentiation Among Closely Related Bacterioplankton. Science, 2008, 320, 1081-1085.	12.6	472
32	Quantification of Cell Edge Velocities and Traction Forces Reveals Distinct Motility Modules during Cell Spreading. PLoS ONE, 2008, 3, e3735.	2.5	112
33	Benchmarking of Dynamic Bayesian Networks Inferred from Stochastic Time-Series Data. Annals of the New York Academy of Sciences, 2007, 1115, 90-101.	3.8	11