

# Lawrence A David

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

11,795  
citations

257101

24  
h-index

377514

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. <i>MSystems</i> , 2022, 7, e0137421.	1.7	3
2	Modulation of microbial community dynamics by spatial partitioning. <i>Nature Chemical Biology</i> , 2022, 18, 394-402.	3.9	23
3	Predicting <i>Vibrio cholerae</i> Infection and Disease Severity Using Metagenomics in a Prospective Cohort Study. <i>Journal of Infectious Diseases</i> , 2021, 223, 342-351.	1.9	25
4	The Pediatric Obesity Microbiome and Metabolism Study (POMMS): Methods, Baseline Data, and Early Insights. <i>Obesity</i> , 2021, 29, 569-578.	1.5	19
5	Genotypic and Phenotypic Diversity among Human Isolates of <i>Akkermansia muciniphila</i> . <i>MBio</i> , 2021, 12, .	1.8	60
6	Measuring and mitigating PCR bias in microbiota datasets. <i>PLoS Computational Biology</i> , 2021, 17, e1009113.	1.5	43
7	The emergence of microbiome centres. <i>Nature Microbiology</i> , 2020, 5, 2-3.	5.9	13
8	Conserved anti-inflammatory effects and sensing of butyrate in zebrafish. <i>Gut Microbes</i> , 2020, 12, 1824563.	4.3	41
9	Short-Chain Fatty Acid Production by Gut Microbiota from Children with Obesity Differs According to Prebiotic Choice and Bacterial Community Composition. <i>MBio</i> , 2020, 11, .	1.8	49
10	Naught all zeros in sequence count data are the same. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 2789-2798.	1.9	87
11	Interindividual Variation in Dietary Carbohydrate Metabolism by Gut Bacteria Revealed with Droplet Microfluidic Culture. <i>MSystems</i> , 2020, 5, .	1.7	34
12	Using DNA Metabarcoding To Evaluate the Plant Component of Human Diets: a Proof of Concept. <i>MSystems</i> , 2019, 4, .	1.7	18
13	Phylofactorization: a graph partitioning algorithm to identify phylogenetic scales of ecological data. <i>Ecological Monographs</i> , 2019, 89, e01353.	2.4	52
14	Toward Personalized Control of Human Gut Bacterial Communities. <i>MSystems</i> , 2018, 3, .	1.7	2
15	Plant community and soil conditions individually affect soil microbial community assembly in experimental mesocosms. <i>Ecology and Evolution</i> , 2018, 8, 1196-1205.	0.8	31
16	Dynamic linear models guide design and analysis of microbiota studies within artificial human guts. <i>Microbiome</i> , 2018, 6, 202.	4.9	54
17	Microbial nitrogen limitation in the mammalian large intestine. <i>Nature Microbiology</i> , 2018, 3, 1441-1450.	5.9	107
18	Human Gut Microbiota Predicts Susceptibility to <i>Vibrio cholerae</i> Infection. <i>Journal of Infectious Diseases</i> , 2018, 218, 645-653.	1.9	60

#	ARTICLE	IF	CITATIONS
19	Antibiotic-induced changes in the microbiota disrupt redox dynamics in the gut. <i>ELife</i> , 2018, 7, .	2.8	121
20	A phylogenetic transform enhances analysis of compositional microbiota data. <i>ELife</i> , 2017, 6, .	2.8	247
21	Phylogenetic factorization of compositional data yields lineage-level associations in microbiome datasets. <i>PeerJ</i> , 2017, 5, e2969.	0.9	105
22	Gut Microbial Succession Follows Acute Secretory Diarrhea in Humans. <i>MBio</i> , 2015, 6, e00381-15.	1.8	150
23	Ontogenetic Differences in Dietary Fat Influence Microbiota Assembly in the Zebrafish Gut. <i>MBio</i> , 2015, 6, e00687-15.	1.8	101
24	Host lifestyle affects human microbiota on daily timescales. <i>Genome Biology</i> , 2014, 15, R89.	13.9	735
25	Diet rapidly and reproducibly alters the human gut microbiome. <i>Nature</i> , 2014, 505, 559-563.	13.7	7,592
26	Reproducibility of <i>Vibrionaceae</i> population structure in coastal bacterioplankton. <i>ISME Journal</i> , 2013, 7, 509-519.	4.4	50
27	Ecology drives a global network of gene exchange connecting the human microbiome. <i>Nature</i> , 2011, 480, 241-244.	13.7	788
28	Metapopulation structure of <i>Vibrionaceae</i> among coastal marine invertebrates. <i>Environmental Microbiology</i> , 2011, 13, 265-275.	1.8	76
29	Rapid evolutionary innovation during an Archaean genetic expansion. <i>Nature</i> , 2011, 469, 93-96.	13.7	344
30	Looking for Darwin's footprints in the microbial world. <i>Trends in Microbiology</i> , 2009, 17, 196-204.	3.5	94
31	Resource Partitioning and Sympatric Differentiation Among Closely Related Bacterioplankton. <i>Science</i> , 2008, 320, 1081-1085.	6.0	472
32	Quantification of Cell Edge Velocities and Traction Forces Reveals Distinct Motility Modules during Cell Spreading. <i>PLoS ONE</i> , 2008, 3, e3735.	1.1	112
33	Benchmarking of Dynamic Bayesian Networks Inferred from Stochastic Time-Series Data. <i>Annals of the New York Academy of Sciences</i> , 2007, 1115, 90-101.	1.8	11