

Rachel J Dutton

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

23
papers

7,644
citations

11
h-index

29
g-index

29
ext. papers

10,097
ext. citations

19.6
avg, IF

5.49
L-index

#	Paper	IF	Citations
23	Diet rapidly and reproducibly alters the human gut microbiome. <i>Nature</i> , 2014 , 505, 559-63	50.4	5264
22	Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. <i>Nature Biotechnology</i> , 2016 , 34, 828-837	44.5	1566
21	Cheese rind communities provide tractable systems for in situ and in vitro studies of microbial diversity. <i>Cell</i> , 2014 , 158, 422-433	56.2	328
20	Fermented foods as experimentally tractable microbial ecosystems. <i>Cell</i> , 2015 , 161, 49-55	56.2	173
19	Biotic Interactions Shape the Ecological Distributions of Staphylococcus Species. <i>MBio</i> , 2016 , 7,	7.8	71
18	Extensive horizontal gene transfer in cheese-associated bacteria. <i>ELife</i> , 2017 , 6,	8.9	53
17	Taking a metagenomic view of human nutrition. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2012 , 15, 448-54	3.8	43
16	Changes in the genetic requirements for microbial interactions with increasing community complexity. <i>ELife</i> , 2018 , 7,	8.9	35
15	The significance of cooking for early hominin scavenging. <i>Journal of Human Evolution</i> , 2015 , 84, 62-70	3.1	25
14	Cheese microbes. <i>Current Biology</i> , 2012 , 22, R587-9	6.3	19
13	Bacterial-fungal interactions revealed by genome-wide analysis of bacterial mutant fitness. <i>Nature Microbiology</i> , 2021 , 6, 87-102	26.6	16
12	BLANKA: an Algorithm for Blank Subtraction in Mass Spectrometry of Complex Biological Samples. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 1426-1434	3.5	8
11	Native mass spectrometry-based metabolomics identifies metal-binding compounds. <i>Nature Chemistry</i> , 2021 ,	17.6	8
10	A standardized, extensible framework for optimizing classification improves marker-gene taxonomic assignments		8
9	Experimental approaches to tracking mobile genetic elements in microbial communities. <i>FEMS Microbiology Reviews</i> , 2020 , 44, 606-630	15.1	6
8	Towards an Ecosystem Approach to Cheese Microbiology. <i>Microbiology Spectrum</i> , 2013 , 1,	8.9	5
7	Reference data based insights expand understanding of human metabolomes		4

6	Native Electrospray-based Metabolomics Enables the Detection of Metal-binding Compounds	4
5	A standardized, extensible framework for optimizing classification improves marker-gene taxonomic assignments	2
4	A standardized, extensible framework for optimizing classification improves marker-gene taxonomic assignments	2
3	Putting microbial interactions back into community contexts. <i>Current Opinion in Microbiology</i> , 2021, 65, 56-63	7.9 2
2	From iron to antibiotics: Identification of conserved bacterial-fungal interactions across diverse partners	1
1	Towards an Ecosystem Approach to Cheese Microbiology311-321	1