

Alexey V Melnik

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4619743/alexey-v-melnik-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

46
papers

9,206
citations

28
h-index

61
g-index

61
ext. papers

15,190
ext. citations

14.6
avg, IF

5.04
L-index

#	Paper	IF	Citations
46	Reproducible, interactive, scalable and extensible microbiome data science using QIIME 2. <i>Nature Biotechnology</i> , 2019 , 37, 852-857	44.5	4050
45	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
44	Best practices for analysing microbiomes. <i>Nature Reviews Microbiology</i> , 2018 , 16, 410-422	22.2	668
43	Minimum Information about a Biosynthetic Gene cluster. <i>Nature Chemical Biology</i> , 2015 , 11, 625-31	11.7	498
42	Antimicrobials from human skin commensal bacteria protect against and are deficient in atopic dermatitis. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	478
41	SIRIUS 4: a rapid tool for turning tandem mass spectra into metabolite structure information. <i>Nature Methods</i> , 2019 , 16, 299-302	21.6	325
40	QIIME 2: Reproducible, interactive, scalable, and extensible microbiome data science		138
39	Global chemical effects of the microbiome include new bile-acid conjugations. <i>Nature</i> , 2020 , 579, 123-129	90.4	129
38	Indexing the <i>Pseudomonas</i> specialized metabolome enabled the discovery of poaeamide B and the bananamides. <i>Nature Microbiology</i> , 2016 , 2, 16197	26.6	83
37	Prioritizing Natural Product Diversity in a Collection of 146 Bacterial Strains Based on Growth and Extraction Protocols. <i>Journal of Natural Products</i> , 2017 , 80, 588-597	4.9	78
36	QIIME 2: Reproducible, interactive, scalable, and extensible microbiome data science 2018 ,		78
35	Three-Dimensional Microbiome and Metabolome Cartography of a Diseased Human Lung. <i>Cell Host and Microbe</i> , 2017 , 22, 705-716.e4	23.4	74
34	Mass spectrometry searches using MASST. <i>Nature Biotechnology</i> , 2020 , 38, 23-26	44.5	74
33	Pep2Path: automated mass spectrometry-guided genome mining of peptidic natural products. <i>PLoS Computational Biology</i> , 2014 , 10, e1003822	5	68
32	Intermittent Hypoxia and Hypercapnia, a Hallmark of Obstructive Sleep Apnea, Alters the Gut Microbiome and Metabolome. <i>MSystems</i> , 2018 , 3,	7.6	56
31	3D molecular cartography using LC-MS facilitated by Optimus and ali software. <i>Nature Protocols</i> , 2018 , 13, 134-154	18.8	53
30	Natural products as mediators of disease. <i>Natural Product Reports</i> , 2017 , 34, 194-219	15.1	47

29	Coupling Targeted and Untargeted Mass Spectrometry for Metabolome-Microbiome-Wide Association Studies of Human Fecal Samples. <i>Analytical Chemistry</i> , 2017 , 89, 7549-7559	7.8	46
28	From Sample to Multi-Omics Conclusions in under 48 Hours. <i>MSystems</i> , 2016 , 1,	7.6	45
27	The impact of skin care products on skin chemistry and microbiome dynamics. <i>BMC Biology</i> , 2019 , 17, 47	7.3	42
26	Identification of the Bacterial Biosynthetic Gene Clusters of the Oral Microbiome Illuminates the Unexplored Social Language of Bacteria during Health and Disease. <i>MBio</i> , 2019 , 10,	7.8	42
25	Lifestyle chemistries from phones for individual profiling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E7645-E7654	11.5	41
24	QIIME 2: Reproducible, interactive, scalable, and extensible microbiome data science		36
23	Auto-deconvolution and molecular networking of gas chromatography-mass spectrometry data. <i>Nature Biotechnology</i> , 2021 , 39, 169-173	44.5	36
22	Untargeted mass spectrometry-based metabolomics approach unveils molecular changes in raw and processed foods and beverages. <i>Food Chemistry</i> , 2020 , 302, 125290	8.5	34
21	Mass spectrometry tools and workflows for revealing microbial chemistry. <i>Analyst, The</i> , 2015 , 140, 4949-56		30
20	ReDU: a framework to find and reanalyze public mass spectrometry data. <i>Nature Methods</i> , 2020 , 17, 901-904	20.4	28
19	Lugdunomycin, an Angucycline-Derived Molecule with Unprecedented Chemical Architecture. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 2809-2814	16.4	27
18	A antibiotic modulates human skin microbiota composition in hair follicles. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	24
17	Creating a 3D microbial and chemical snapshot of a human habitat. <i>Scientific Reports</i> , 2018 , 8, 3669	4.9	23
16	Spatial Molecular Architecture of the Microbial Community of a Lichen. <i>MSystems</i> , 2016 , 1,	7.6	22
15	Niche partitioning of a pathogenic microbiome driven by chemical gradients. <i>Science Advances</i> , 2018 , 4, eaau1908	14.3	21
14	Molecular and Microbial Microenvironments in Chronically Diseased Lungs Associated with Cystic Fibrosis. <i>MSystems</i> , 2019 , 4,	7.6	15
13	Mass Spectrometry Based Molecular 3D-Cartography of Plant Metabolites. <i>Frontiers in Plant Science</i> , 2017 , 8, 429	6.2	14
12	Repository-scale Co- and Re-analysis of Tandem Mass Spectrometry Data		14

11	Intermittent Hypoxia and Hypercapnia Reproducibly Change the Gut Microbiome and Metabolome across Rodent Model Systems. <i>MSystems</i> , 2019 , 4,	7.6	13
10	American Gut: an Open Platform for Citizen-Science Microbiome Research		11
9	Mass Spectrometry Uncovers the Role of Surfactin as an Interspecies Recruitment Factor. <i>ACS Chemical Biology</i> , 2019 , 14, 459-467	4.9	9
8	MASST: A Web-based Basic Mass Spectrometry Search Tool for Molecules to Search Public Data		8
7	Cutibacterium acnes antibiotic production shapes niche competition in the human skin microbiome		7
6	Functional genomics and metabolomics advance the ethnobotany of the Samoan traditional medicine "matalafi". <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	5
5	Feature-Based Molecular Networking Analysis of the Metabolites Produced by Solid-State Fermentation Reveals Pathways for the Bioconversion of Epigallocatechin Gallate. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 7995-8007	5.7	4
4	Identification of the bacterial biosynthetic gene clusters of the oral microbiome illuminates the unexplored social language of bacteria during health and disease		3
3	Lugdunomycin, an Angucycline-Derived Molecule with Unprecedented Chemical Architecture. <i>Angewandte Chemie</i> , 2019 , 131, 2835-2840	3.6	2
2	EVC001 Is Well-Tolerated and Improves Human Milk Oligosaccharide Utilization in Preterm Infants in the Neonatal Intensive Care Unit.. <i>Frontiers in Pediatrics</i> , 2021 , 9, 795970	3.4	2
1	Metabolic Profiling of Interspecies Interactions During Sessile Bacterial Cultivation Reveals Growth and Sporulation Induction in Response to .. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022 , 12, 805473	5.9	