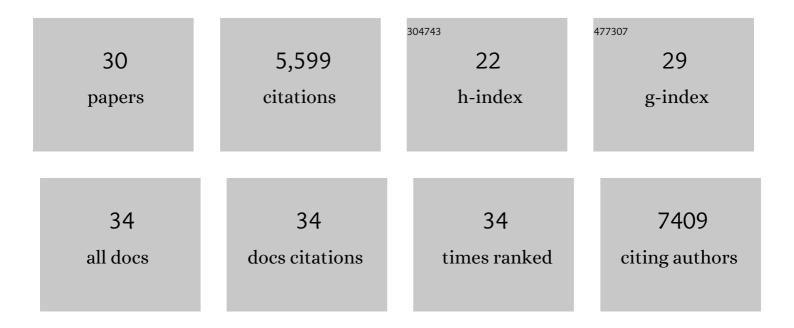
Hosein Mohimani

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9086686/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	TransDiscovery: Discovering Biotransformation from Human Microbiota by Integrating Metagenomic and Metabolomic Data. Metabolites, 2022, 12, 119.	2.9	2
2	A community resource for paired genomic and metabolomic data mining. Nature Chemical Biology, 2021, 17, 363-368.	8.0	81
3	ForestDSH: a universal hash design for discrete probability distributions. Data Mining and Knowledge Discovery, 2021, 35, 748-795.	3.7	0
4	Repository scale classification and decomposition of tandem mass spectral data. Scientific Reports, 2021, 11, 8314.	3.3	3
5	Integrating genomics and metabolomics for scalable non-ribosomal peptide discovery. Nature Communications, 2021, 12, 3225.	12.8	31
6	MolDiscovery: learning mass spectrometry fragmentation of small molecules. Nature Communications, 2021, 12, 3718.	12.8	44
7	MS2Planner: improved fragmentation spectra coverage in untargeted mass spectrometry by iterative optimized data acquisition. Bioinformatics, 2021, 37, i231-i236.	4.1	10
8	Nerpa: A Tool for Discovering Biosynthetic Gene Clusters of Bacterial Nonribosomal Peptides. Metabolites, 2021, 11, 693.	2.9	11
9	De Novo Peptide Sequencing Reveals Many Cyclopeptides in the Human Gut and Other Environments. Cell Systems, 2020, 10, 99-108.e5.	6.2	28
10	Feature-based molecular networking in the GNPS analysis environment. Nature Methods, 2020, 17, 905-908.	19.0	650
11	Linking genomics and metabolomics to chart specialized metabolic diversity. Chemical Society Reviews, 2020, 49, 3297-3314.	38.1	114
12	MetaMiner: A Scalable Peptidogenomics Approach for Discovery of Ribosomal Peptide Natural Products with Blind Modifications from Microbial Communities. Cell Systems, 2019, 9, 600-608.e4.	6.2	46
13	A Metabolome- and Metagenome-Wide Association Network Reveals Microbial Natural Products and Microbial Biotransformation Products from the Human Microbiota. MSystems, 2019, 4, .	3.8	23
14	BiosyntheticSPAdes: reconstructing biosynthetic gene clusters from assembly graphs. Genome Research, 2019, 29, 1352-1362.	5.5	55
15	Increased diversity of peptidic natural products revealed by modification-tolerant database search of mass spectra. Nature Microbiology, 2018, 3, 319-327.	13.3	71
16	Dereplication of microbial metabolites through database search of mass spectra. Nature Communications, 2018, 9, 4035.	12.8	220
17	American Gut: an Open Platform for Citizen Science Microbiome Research. MSystems, 2018, 3, .	3.8	604
18	Metabolic Fingerprints from the Human Oral Microbiome Reveal a Vast Knowledge Gap of Secreted Small Peptidic Molecules. MSystems, 2017, 2, .	3.8	30

Hosein Mohimani

#	Article	IF	CITATIONS
19	Dereplication of peptidic natural products through database search of mass spectra. Nature Chemical Biology, 2017, 13, 30-37.	8.0	184
20	Spatial Molecular Architecture of the Microbial Community of a <i>Peltigera</i> Lichen. MSystems, 2016, 1, .	3.8	36
21	Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. Nature Biotechnology, 2016, 34, 828-837.	17.5	2,802
22	Dereplication, sequencing and identification of peptidic natural products: from genome mining to peptidogenomics to spectral networks. Natural Product Reports, 2016, 33, 73-86.	10.3	59
23	Automated Genome Mining of Ribosomal Peptide Natural Products. ACS Chemical Biology, 2014, 9, 1545-1551.	3.4	133
24	NRPquest: Coupling Mass Spectrometry and Genome Mining for Nonribosomal Peptide Discovery. Journal of Natural Products, 2014, 77, 1902-1909.	3.0	81
25	A New Approach to Evaluating Statistical Significance of Spectral Identifications. Journal of Proteome Research, 2013, 12, 1560-1568.	3.7	20
26	Multiplex De Novo Sequencing of Peptide Antibiotics. Journal of Computational Biology, 2011, 18, 1371-1381.	1.6	39
27	Cycloquest: Identification of Cyclopeptides via Database Search of Their Mass Spectra against Genome Databases. Journal of Proteome Research, 2011, 10, 4505-4512.	3.7	38
28	Cytotoxic Veraguamides, Alkynyl Bromide-Containing Cyclic Depsipeptides from the Marine Cyanobacterium cf. <i>Oscillatoria margaritifera</i> . Journal of Natural Products, 2011, 74, 928-936.	3.0	95
29	On the Error of Estimating the Sparsest Solution of Underdetermined Linear Systems. IEEE Transactions on Information Theory, 2011, 57, 7840-7855.	2.4	6
30	Sequencing cyclic peptides by multistage mass spectrometry. Proteomics, 2011, 11, 3642-3650.	2.2	37