Nathan A Magarvey

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7995088/publications.pdf

Version: 2024-02-01

29	2,233	394286	501076
papers	citations	19 h-index	28 g-index

29	29	29	3397
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular mechanisms of membrane targeting antibiotics. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 980-987.	1.4	372
2	PRISM 3: expanded prediction of natural product chemical structures from microbial genomes. Nucleic Acids Research, 2017, 45, W49-W54.	6.5	273
3	Genomes to natural products PRediction Informatics for Secondary Metabolomes (PRISM). Nucleic Acids Research, 2015, 43, gkv1012.	6.5	210
4	Duodenal Bacteria From Patients With Celiac Disease andÂHealthy Subjects Distinctly Affect Gluten BreakdownÂandÂImmunogenicity. Gastroenterology, 2016, 151, 670-683.	0.6	177
5	Comprehensive prediction of secondary metabolite structure and biological activity from microbial genome sequences. Nature Communications, 2020, 11, 6058.	5.8	174
6	Genomic charting of ribosomally synthesized natural product chemical space facilitates targeted mining. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6343-E6351.	3.3	127
7	An automated Genomes-to-Natural Products platform (GNP) for the discovery of modular natural products. Nature Communications, 2015, 6, 8421.	5.8	123
8	Polyketide and nonribosomal peptide retro-biosynthesis and global gene cluster matching. Nature Chemical Biology, 2016, 12, 1007-1014.	3.9	117
9	Staphylococcus aureus Nonribosomal Peptide Secondary Metabolites Regulate Virulence. Science, 2010, 329, 294-296.	6.0	108
10	DeepRiPP integrates multiomics data to automate discovery of novel ribosomally synthesized natural products. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 371-380.	3.3	89
11	Assembly and clustering of natural antibiotics guides target identification. Nature Chemical Biology, 2016, 12, 233-239.	3.9	86
12	Antibiotics and specialized metabolites from the human microbiota. Natural Product Reports, 2017, 34, 1302-1331.	5.2	58
13	Cyanide Toxicity to Burkholderia cenocepacia Is Modulated by Polymicrobial Communities and Environmental Factors. Frontiers in Microbiology, 2016, 7, 725.	1.5	37
14	Global analysis of prokaryotic tRNA-derived cyclodipeptide biosynthesis. BMC Genomics, 2018, 19, 45.	1.2	35
15	Aminorifamycins and Sporalactams Produced in Culture by a Micromonospora sp. Isolated from a Northeastern-Pacific Marine Sediment Are Potent Antibiotics. Organic Letters, 2017, 19, 766-769.	2.4	34
16	Comparative analysis of chemical similarity methods for modular natural products with a hypothetical structure enumeration algorithm. Journal of Cheminformatics, 2017, 9, 46.	2.8	33
17	Small molecule immunomodulins from cultures of the human microbiome member Lactobacillus plantarum. Journal of Antibiotics, 2014, 67, 85-88.	1.0	26
18	Structural and Chemical Characterization of Placer Gold Grains: Implications for Bacterial Contributions to Grain Formation. Geomicrobiology Journal, 2015, 32, 158-169.	1.0	25

#	Article	IF	Citations
19	Characterization of Cereulide Synthetase, a Toxin-Producing Macromolecular Machine. PLoS ONE, 2015, 10, e0128569.	1.1	25
20	Systems biosynthesis of secondary metabolic pathways within the oral human microbiome member Streptococcus mutans. Molecular BioSystems, 2015, 11, 97-104.	2.9	20
21	Gold nanoparticle formation via microbial metallophore chemistries. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	18
22	Statistical reanalysis of natural products reveals increasing chemical diversity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6271-E6272.	3.3	15
23	Pseudomonas aeruginosa-Derived Rhamnolipids and Other Detergents Modulate Colony Morphotype and Motility in the Burkholderia cepacia Complex. Journal of Bacteriology, 2017, 199, .	1.0	12
24	Exploration of Nonribosomal Peptide Families with an Automated Informatic Search Algorithm. Chemistry and Biology, 2015, 22, 1259-1269.	6.2	10
25	Informatic analysis reveals Legionella as a source of novel natural products. Synthetic and Systems Biotechnology, 2016, 1, 130-136.	1.8	9
26	Informatic strategies for the discovery of polyketides and nonribosomal peptides. MedChemComm, 2012, 3, 932-937.	3.5	8
27	Informatic search strategies to discover analogues and variants of natural product archetypes. Journal of Industrial Microbiology and Biotechnology, 2016, 43, 293-298.	1.4	8
28	Draft Genome Sequence of Streptomyces canus ATCC 12647, a Producer of Telomycin. Genome Announcements, 2016, 4, .	0.8	4
29	Draft Genome Sequence of Streptomyces silvensis ATCC 53525, a Producer of Novel Hormone Antagonists. Genome Announcements, 2016, 4, .	0.8	0