

Nathan A Magarvey

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

2,233
citations

394286

19
h-index

501076

28
g-index

29
all docs

29
docs citations

29
times ranked

3397
citing authors

#	ARTICLE	IF	CITATIONS
1	DeepRIPP integrates multiomics data to automate discovery of novel ribosomally synthesized natural products. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 371-380.	3.3	89
2	Comprehensive prediction of secondary metabolite structure and biological activity from microbial genome sequences. <i>Nature Communications</i> , 2020, 11, 6058.	5.8	174
3	Global analysis of prokaryotic tRNA-derived cyclodipeptide biosynthesis. <i>BMC Genomics</i> , 2018, 19, 45.	1.2	35
4	Aminorifamycins and Sporolactams Produced in Culture by a <i>Micromonospora</i> sp. Isolated from a Northeastern-Pacific Marine Sediment Are Potent Antibiotics. <i>Organic Letters</i> , 2017, 19, 766-769.	2.4	34
5	<i>Pseudomonas aeruginosa</i> -Derived Rhamnolipids and Other Detergents Modulate Colony Morphotype and Motility in the <i>Burkholderia cepacia</i> Complex. <i>Journal of Bacteriology</i> , 2017, 199, .	1.0	12
6	Antibiotics and specialized metabolites from the human microbiota. <i>Natural Product Reports</i> , 2017, 34, 1302-1331.	5.2	58
7	Statistical reanalysis of natural products reveals increasing chemical diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E6271-E6272.	3.3	15
8	PRISM 3: expanded prediction of natural product chemical structures from microbial genomes. <i>Nucleic Acids Research</i> , 2017, 45, W49-W54.	6.5	273
9	Comparative analysis of chemical similarity methods for modular natural products with a hypothetical structure enumeration algorithm. <i>Journal of Cheminformatics</i> , 2017, 9, 46.	2.8	33
10	Cyanide Toxicity to <i>Burkholderia cenocepacia</i> Is Modulated by Polymicrobial Communities and Environmental Factors. <i>Frontiers in Microbiology</i> , 2016, 7, 725.	1.5	37
11	Draft Genome Sequence of <i>Streptomyces silvensis</i> ATCC 53525, a Producer of Novel Hormone Antagonists. <i>Genome Announcements</i> , 2016, 4, .	0.8	0
12	Duodenal Bacteria From Patients With Celiac Disease and Healthy Subjects Distinctly Affect Gluten Breakdown and Immunogenicity. <i>Gastroenterology</i> , 2016, 151, 670-683.	0.6	177
13	Polyketide and nonribosomal peptide retro-biosynthesis and global gene cluster matching. <i>Nature Chemical Biology</i> , 2016, 12, 1007-1014.	3.9	117
14	Genomic charting of ribosomally synthesized natural product chemical space facilitates targeted mining. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E6343-E6351.	3.3	127
15	Informatic analysis reveals <i>Legionella</i> as a source of novel natural products. <i>Synthetic and Systems Biotechnology</i> , 2016, 1, 130-136.	1.8	9
16	Draft Genome Sequence of <i>Streptomyces canus</i> ATCC 12647, a Producer of Telomycin. <i>Genome Announcements</i> , 2016, 4, .	0.8	4
17	Assembly and clustering of natural antibiotics guides target identification. <i>Nature Chemical Biology</i> , 2016, 12, 233-239.	3.9	86
18	Molecular mechanisms of membrane targeting antibiotics. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 980-987.	1.4	372

#	ARTICLE	IF	CITATIONS
19	Informatic search strategies to discover analogues and variants of natural product archetypes. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 293-298.	1.4	8
20	Genomes to natural products PRediction Informatics for Secondary Metabolomes (PRISM). <i>Nucleic Acids Research</i> , 2015, 43, gkv1012.	6.5	210
21	Structural and Chemical Characterization of Placer Gold Grains: Implications for Bacterial Contributions to Grain Formation. <i>Geomicrobiology Journal</i> , 2015, 32, 158-169.	1.0	25
22	An automated Genomes-to-Natural Products platform (GNP) for the discovery of modular natural products. <i>Nature Communications</i> , 2015, 6, 8421.	5.8	123
23	Exploration of Nonribosomal Peptide Families with an Automated Informatic Search Algorithm. <i>Chemistry and Biology</i> , 2015, 22, 1259-1269.	6.2	10
24	Systems biosynthesis of secondary metabolic pathways within the oral human microbiome member <i>Streptococcus mutans</i> . <i>Molecular BioSystems</i> , 2015, 11, 97-104.	2.9	20
25	Characterization of Cereulide Synthetase, a Toxin-Producing Macromolecular Machine. <i>PLoS ONE</i> , 2015, 10, e0128569.	1.1	25
26	Small molecule immunomodulins from cultures of the human microbiome member <i>Lactobacillus plantarum</i> . <i>Journal of Antibiotics</i> , 2014, 67, 85-88.	1.0	26
27	Gold nanoparticle formation via microbial metallophore chemistries. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	18
28	Informatic strategies for the discovery of polyketides and nonribosomal peptides. <i>MedChemComm</i> , 2012, 3, 932-937.	3.5	8
29	<i>Staphylococcus aureus</i> Nonribosomal Peptide Secondary Metabolites Regulate Virulence. <i>Science</i> , 2010, 329, 294-296.	6.0	108