

Nadine Ziemert

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

7,156
citations

136740

32
h-index

182168

51
g-index

58
all docs

58
docs citations

58
times ranked

7761
citing authors

#	ARTICLE	IF	CITATIONS
1	antiSMASH 5.0: updates to the secondary metabolite genome mining pipeline. <i>Nucleic Acids Research</i> , 2019, 47, W81-W87.	6.5	2,410
2	Minimum Information about a Biosynthetic Gene cluster. <i>Nature Chemical Biology</i> , 2015, 11, 625-631.	3.9	715
3	The evolution of genome mining in microbes – a review. <i>Natural Product Reports</i> , 2016, 33, 988-1005.	5.2	538
4	The Natural Product Domain Seeker NaPDoS: A Phylogeny Based Bioinformatic Tool to Classify Secondary Metabolite Gene Diversity. <i>PLoS ONE</i> , 2012, 7, e34064.	1.1	422
5	AutoMLST: an automated web server for generating multi-locus species trees highlighting natural product potential. <i>Nucleic Acids Research</i> , 2019, 47, W276-W282.	6.5	286
6	Diversity and evolution of secondary metabolism in the marine actinomycete genus <i>Salinispora</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E1130-9.	3.3	241
7	Highly plastic genome of <i>Microcystis aeruginosa</i> PCC 7806, a ubiquitous toxic freshwater cyanobacterium. <i>BMC Genomics</i> , 2008, 9, 274.	1.2	210
8	Molecular Networking and Pattern-Based Genome Mining Improves Discovery of Biosynthetic Gene Clusters and their Products from <i>Salinispora</i> Species. <i>Chemistry and Biology</i> , 2015, 22, 460-471.	6.2	150
9	Ribosomal Synthesis of Tricyclic Depsipeptides in Bloom-Forming Cyanobacteria. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7756-7759.	7.2	145
10	The Antibiotic Resistant Target Seeker (ARTS), an exploration engine for antibiotic cluster prioritization and novel drug target discovery. <i>Nucleic Acids Research</i> , 2017, 45, W42-W48.	6.5	142
11	ARTS 2.0: feature updates and expansion of the Antibiotic Resistant Target Seeker for comparative genome mining. <i>Nucleic Acids Research</i> , 2020, 48, W546-W552.	6.5	116
12	Antibiotic drug discovery. <i>Microbial Biotechnology</i> , 2016, 9, 541-548.	2.0	111
13	Comparative genomics reveals phylogenetic distribution patterns of secondary metabolites in <i>Amycolatopsis</i> species. <i>BMC Genomics</i> , 2018, 19, 426.	1.2	111
14	Microcyclamide Biosynthesis in Two Strains of <i>Microcystis aeruginosa</i> : from Structure to Genes and Vice Versa. <i>Applied and Environmental Microbiology</i> , 2008, 74, 1791-1797.	1.4	107
15	Compendium of specialized metabolite biosynthetic diversity encoded in bacterial genomes. <i>Nature Microbiology</i> , 2022, 7, 726-735.	5.9	106
16	Glycogenomics as a mass spectrometry-guided genome-mining method for microbial glycosylated molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E4407-16.	3.3	101
17	Exploiting the Natural Diversity of Microviridin Gene Clusters for Discovery of Novel Tricyclic Depsipeptides. <i>Applied and Environmental Microbiology</i> , 2010, 76, 3568-3574.	1.4	83
18	A community resource for paired genomic and metabolomic data mining. <i>Nature Chemical Biology</i> , 2021, 17, 363-368.	3.9	81

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19	Genomic insights into specialized metabolism in the marine actinomycete <i>Salinispora</i> . <i>Environmental Microbiology</i> , 2017, 19, 3660-3673.	1.8	69
20	Challenges and triumphs to genomics-based natural product discovery. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014, 41, 203-209.	1.4	67
21	Function-related replacement of bacterial siderophore pathways. <i>ISME Journal</i> , 2018, 12, 320-329.	4.4	66
22	Sequencing rare marine actinomycete genomes reveals high density of unique natural product biosynthetic gene clusters. <i>Microbiology (United Kingdom)</i> , 2016, 162, 2075-2086.	0.7	61
23	Direct Capture and Heterologous Expression of <i>Salinispora</i> Natural Product Genes for the Biosynthesis of Enterocin. <i>Journal of Natural Products</i> , 2015, 78, 539-542.	1.5	60
24	Mining Bacterial Genomes for Secondary Metabolite Gene Clusters. <i>Methods in Molecular Biology</i> , 2017, 1520, 23-47.	0.4	56
25	An Integrated Metabolomic and Genomic Mining Workflow To Uncover the Biosynthetic Potential of Bacteria. <i>MSystems</i> , 2016, 1, .	1.7	55
26	Leader Peptide and a Membrane Protein Scaffold Guide the Biosynthesis of the Tricyclic Peptide Microviridin. <i>Chemistry and Biology</i> , 2011, 18, 1413-1421.	6.2	54
27	Structures of a non-ribosomal peptide synthetase condensation domain suggest the basis of substrate selectivity. <i>Nature Communications</i> , 2021, 12, 2511.	5.8	53
28	Kistamicin biosynthesis reveals the biosynthetic requirements for production of highly crosslinked glycopeptide antibiotics. <i>Nature Communications</i> , 2019, 10, 2613.	5.8	48
29	Analysis of the Genome and Metabolome of Marine Myxobacteria Reveals High Potential for Biosynthesis of Novel Specialized Metabolites. <i>Scientific Reports</i> , 2018, 8, 16600.	1.6	40
30	Comparative Genomics and Metabolomics in the Genus <i>Nocardia</i> . <i>MSystems</i> , 2020, 5, .	1.7	39
31	Applied evolution: phylogeny-based approaches in natural products research. <i>Natural Product Reports</i> , 2019, 36, 1295-1312.	5.2	37
32	Phylogenetic Approaches to Natural Product Structure Prediction. <i>Methods in Enzymology</i> , 2012, 517, 161-182.	0.4	35
33	The confluence of big data and evolutionary genome mining for the discovery of natural products. <i>Natural Product Reports</i> , 2021, 38, 2024-2040.	5.2	30
34	The genus <i>Micromonospora</i> as a model microorganism for bioactive natural product discovery. <i>RSC Advances</i> , 2020, 10, 20939-20959.	1.7	29
35	The ADEP Biosynthetic Gene Cluster in <i>Streptomyces hawaiiensis</i> NRRL 15010 Reveals an Accessory <i>clpP</i> Gene as a Novel Antibiotic Resistance Factor. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	25
36	Recovery of the Peptidoglycan Turnover Product Released by the Autolysin Atl in <i>Staphylococcus aureus</i> Involves the Phosphotransferase System Transporter MurP and the Novel 6-phospho-N-acetylmuramidase MupG. <i>Frontiers in Microbiology</i> , 2018, 9, 2725.	1.5	22

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37	Salinipyronone and Pacificanone Are Biosynthetic By-products of the Rosamicin Polyketide Synthase. <i>ChemBioChem</i> , 2015, 16, 1443-1447.	1.3	19
38	Metagenomic Sequencing of Multiple Soil Horizons and Sites in Close Vicinity Revealed Novel Secondary Metabolite Diversity. <i>MSystems</i> , 2021, 6, e0101821.	1.7	16
39	Assessing the Efficiency of Cultivation Techniques To Recover Natural Product Biosynthetic Gene Populations from Sediment. <i>ACS Chemical Biology</i> , 2018, 13, 2074-2081.	1.6	15
40	Mining Indonesian Microbial Biodiversity for Novel Natural Compounds by a Combined Genome Mining and Molecular Networking Approach. <i>Marine Drugs</i> , 2021, 19, 316.	2.2	14
41	New Nocobactin Derivatives with Antimuscarinic Activity, Terpenibactins A–C, Revealed by Genome Mining of <i>Nocardia terpenica</i> IFM 0406. <i>ChemBioChem</i> , 2020, 21, 2205-2213.	1.3	13
42	ARTS-DB: a database for antibiotic resistant targets. <i>Nucleic Acids Research</i> , 2021, , .	6.5	11
43	Identification of a novel aminopolycarboxylic acid siderophore gene cluster encoding the biosynthesis of ethylenediaminesuccinic acid hydroxyarginine (EDHA). <i>Metallomics</i> , 2018, 10, 722-734.	1.0	8
44	SYN-View: A Phylogeny-Based Synteny Exploration Tool for the Identification of Gene Clusters Linked to Antibiotic Resistance. <i>Molecules</i> , 2021, 26, 144.	1.7	7
45	Genome Mining Approaches to Bacterial Natural Product Discovery. , 2020, , 19-33.		5
46	A rapid and efficient strategy to identify and recover biosynthetic gene clusters from soil metagenomes. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 3293.	1.7	5
47	Secondary Metabolite Transcriptomic Pipeline (SeMa-Trap), an expression-based exploration tool for increased secondary metabolite production in bacteria. <i>Nucleic Acids Research</i> , 2022, 50, W682-W689.	6.5	5
48	Evaluating the Distribution of Bacterial Natural Product Biosynthetic Genes across Lake Huron Sediment. <i>ACS Chemical Biology</i> , 2021, 16, 2623-2631.	1.6	4
49	Identification of Natural Product Biosynthetic Gene Clusters from Bacterial Genomic Data. <i>Methods in Pharmacology and Toxicology</i> , 2018, , 1.	0.1	3
50	Modular Fragment Synthesis and Bioinformatic Analysis Propose a Revised Vancoresmycin Stereoconfiguration. <i>Organic Letters</i> , 2021, 23, 1175-1180.	2.4	1
51	Inside Cover: Ribosomal Synthesis of Tricyclic Depsipeptides in Bloom-Forming Cyanobacteria (<i>Angew.</i>) Tj ETQq1 1 0,784314 rgBT /Over	7.2	10
52	Innentitelbild: Ribosomal Synthesis of Tricyclic Depsipeptides in Bloom-Forming Cyanobacteria (<i>Angew.</i>) Tj ETQq0 0 0 rgBT /Overlock 10	1.6	0