

Ivana Crnovcic

List of Publications by Year in descending order

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22
papers

480
citations

840776

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h-index

713466

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22
all docs

22
docs citations

22
times ranked

630
citing authors

#	ARTICLE	IF	CITATIONS
1	Strain Prioritization and Genome Mining for Eneidyne Natural Products. <i>MBio</i> , 2016, 7, .	4.1	89
2	The Actinomycin Biosynthetic Gene Cluster of <i>Streptomyces chrysomallus</i> : a Genetic Hall of Mirrors for Synthesis of a Molecule with Mirror Symmetry. <i>Journal of Bacteriology</i> , 2010, 192, 2583-2595.	2.2	82
3	Genome Mining of <i>Micromonospora yangpuensis</i> DSM 45577 as a Producer of an Anthraquinone-Fused Eneidyne. <i>Organic Letters</i> , 2017, 19, 6192-6195.	4.6	55
4	Comparative Studies of the Biosynthetic Gene Clusters for Anthraquinone-Fused Eneidyne Shedding Light into the Tailoring Steps of Tiansimycin Biosynthesis. <i>Organic Letters</i> , 2018, 20, 5918-5921.	4.6	34
5	Aromatic C-Methyltransferases with Antipodal Stereoselectivity for Structurally Diverse Phenolic Amino Acids Catalyze the Methylation Step in the Biosynthesis of the Actinomycin Chromophore. <i>Biochemistry</i> , 2010, 49, 9698-9705.	2.5	27
6	Resistance to Eneidyne Antitumor Antibiotics by Sequestration. <i>Cell Chemical Biology</i> , 2018, 25, 1075-1085.e4.	5.2	21
7	Genome Mining of <i>Streptomyces mobaraensis</i> DSM40847 as a Bleomycin Producer Providing a Biotechnology Platform To Engineer Designer Bleomycin Analogues. <i>Organic Letters</i> , 2017, 19, 1386-1389.	4.6	19
8	Biochemical and Structural Characterization of TtnD, a Prenylated FMN-Dependent Decarboxylase from the Tautomycetin Biosynthetic Pathway. <i>ACS Chemical Biology</i> , 2018, 13, 2728-2738.	3.4	19
9	Characterization of TnmH as an O-Methyltransferase Revealing Insights into Tiansimycin Biosynthesis and Enabling a Biocatalytic Strategy To Prepare Antibody-Tiansimycin Conjugates. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 8432-8441.	6.4	18
10	Occurrence and biosynthesis of C-demethylactinomycins in actinomycin-producing <i>Streptomyces chrysomallus</i> and <i>Streptomyces parvulus</i> . <i>Journal of Antibiotics</i> , 2013, 66, 211-218.	2.0	17
11	Discovery of Alternative Producers of the Eneidyne Antitumor Antibiotic C-1027 with High Titer. <i>Journal of Natural Products</i> , 2018, 81, 594-599.	3.0	13
12	Biosynthetic rivalry of o-aminophenol-carboxylic acids initiates production of hemi-actinomycins in <i>Streptomyces antibioticus</i> . <i>RSC Advances</i> , 2014, 4, 5065.	3.6	11
13	Crystal structure of SgcJ, an NTF2-like superfamily protein involved in biosynthesis of the nine-membered eneidyne antitumor antibiotic C-1027. <i>Journal of Antibiotics</i> , 2016, 69, 731-740.	2.0	10
14	Ketonization of Proline Residues in the Peptide Chains of Actinomycins by a Oxoproline Synthase. <i>ChemBioChem</i> , 2018, 19, 706-715.	2.6	10
15	Activities of recombinant human bleomycin hydrolase on bleomycins and engineered analogues revealing new opportunities to overcome bleomycin-induced pulmonary toxicity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 2670-2674.	2.2	10
16	Cytochrome P450 Hydroxylase TnmL Catalyzing Sequential Hydroxylation with an Additional Proofreading Activity in Tiansimycin Biosynthesis. <i>ACS Chemical Biology</i> , 2021, 16, 1172-1178.	3.4	9
17	PokMT1 from the Polyketomycin Biosynthetic Machinery of <i>Streptomyces diastatochromogenes</i> TA146028 Belongs to the Emerging Family of C-Methyltransferases That Act on CoA-Activated Aromatic Substrates. <i>Biochemistry</i> , 2018, 57, 1003-1011.	2.5	8
18	Engineered production of cancer targeting peptide (CTP)-containing C-1027 in <i>Streptomyces globisporus</i> and biological evaluation. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 3887-3892.	3.0	7

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19	Genetic interrelations in the actinomycin biosynthetic gene clusters of <i>Streptomyces antibioticus</i> IMRU 3720 and <i>Streptomyces chrysomallus</i> ATCC11523, producers of actinomycin X and actinomycin C. <i>Advances and Applications in Bioinformatics and Chemistry</i> , 2017, Volume 10, 29-46.	2.6	7
20	Engineered production and evaluation of 6-deoxy-tallysomycin H-1 revealing new insights into the structure-activity relationship of the anticancer drug bleomycin. <i>Journal of Antibiotics</i> , 2018, 71, 97-103.	2.0	7
21	MALDI-TOF mass spectrometry, an efficient technique for <i>in situ</i> detection and characterization of actinomycins. <i>Journal of Mass Spectrometry</i> , 2014, 49, 210-222.	1.6	5
22	Comparison of actinomycin peptide synthetase formation in <i>Streptomyces chrysomallus</i> and <i>Streptomyces antibioticus</i> . <i>Journal of Basic Microbiology</i> , 2019, 59, 148-157.	3.3	2