

Dong Yang

List of Publications by Year in descending order

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53
papers

1,130
citations

394421

19
h-index

434195

31
g-index

54
all docs

54
docs citations

54
times ranked

1354
citing authors

#	ARTICLE	IF	CITATIONS
1	Strain Prioritization and Genome Mining for Eneidyne Natural Products. <i>MBio</i> , 2016, 7, .	4.1	89
2	Discovery of the leinamycin family of natural products by mining actinobacterial genomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E11131-E11140.	7.1	84
3	Strain Prioritization for Natural Product Discovery by a High-Throughput Real-Time PCR Method. <i>Journal of Natural Products</i> , 2014, 77, 2296-2303.	3.0	75
4	Eneidyne: Exploration of microbial genomics to discover new anticancer drug leads. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 9-15.	2.2	55
5	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
6	Biosynthetic Potential-Based Strain Prioritization for Natural Product Discovery: A Showcase for Diterpenoid-Producing Actinomycetes. <i>Journal of Natural Products</i> , 2014, 77, 377-387.	3.0	45
7	Leinamycin E1 acting as an anticancer prodrug activated by reactive oxygen species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8278-8283.	7.1	45
8	Generation of high-yield rapamycin-producing strains through protoplasts-related techniques. <i>Applied Microbiology and Biotechnology</i> , 2009, 83, 507-512.	3.6	41
9	Angucyclines and Angucyclinones from <i>Streptomyces</i> sp. CB01913 Featuring C-Ring Cleavage and Expansion. <i>Journal of Natural Products</i> , 2015, 78, 2471-2480.	3.0	41
10	A Designer Bleomycin with Significantly Improved DNA Cleavage Activity. <i>Journal of the American Chemical Society</i> , 2012, 134, 13501-13509.	13.7	37
11	Comparative Studies of the Biosynthetic Gene Clusters for Anthraquinone-Fused Eneidyne Shedding Light into the Tailoring Steps of Tiancimycin Biosynthesis. <i>Organic Letters</i> , 2018, 20, 5918-5921.	4.6	34
12	Medium optimization of <i>Streptomyces</i> sp. 17944 for tirandamycin B production and isolation and structural elucidation of tirandamycins H, I and J. <i>Journal of Antibiotics</i> , 2014, 67, 127-132.	2.0	30
13	Ribosome engineering and fermentation optimization leads to overproduction of tiancimycin A, a new eneidyne natural product from <i>Streptomyces</i> sp. CB03234. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2018, 45, 141-151.	3.0	29
14	Huanglongmycin A-C, Cytotoxic Polyketides Biosynthesized by a Putative Type II Polyketide Synthase From <i>Streptomyces</i> sp. CB09001. <i>Frontiers in Chemistry</i> , 2018, 6, 254.	3.6	28
15	Leveraging a large microbial strain collection for natural product discovery. <i>Journal of Biological Chemistry</i> , 2019, 294, 16567-16576.	3.4	26
16	Titer improvement and pilot-scale production of platensimycin from <i>Streptomyces platensis</i> SB12026. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 1027-1035.	3.0	25
17	Strain improvement by combined UV mutagenesis and ribosome engineering and subsequent fermentation optimization for enhanced 6â€²-deoxy-bleomycin Z production. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 1651-1661.	3.6	25
18	Titer improvement of iso-migrastatin in selected heterologous <i>Streptomyces</i> hosts and related analysis of mRNA expression by quantitative RTâ€²PCR. <i>Applied Microbiology and Biotechnology</i> , 2011, 89, 1709-1719.	3.6	22

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19	Resistance to Eneidyne Antitumor Antibiotics by Sequestration. <i>Cell Chemical Biology</i> , 2018, 25, 1075-1085.e4.	5.2	21
20	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
21	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
22	Characterization of TnmH as an O-Methyltransferase Revealing Insights into Tiamcymycin Biosynthesis and Enabling a Biocatalytic Strategy To Prepare Antibody-Tiamcymycin Conjugates. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 8432-8441.	6.4	18
23	The discovery and development of microbial bleomycin analogues. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 6791-6798.	3.6	17
24	Functional characterization of tlmH in <i>Streptoalloteichus hindustanus</i> E465-94 ATCC 31158 unveiling new insight into tallysomyacin biosynthesis and affording a novel bleomycin analog. <i>Molecular BioSystems</i> , 2010, 6, 349-356.	2.9	15
25	Overproduction of lactimidomycin by cross-overexpression of genes encoding <i>Streptomyces</i> antibiotic regulatory proteins. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 2267-2277.	3.6	14
26	Adipostatins A-D from <i>Streptomyces</i> sp. 4875 inhibiting <i>Brugia malayi</i> asparaginyl-tRNA synthetase and killing adult <i>Brugia malayi</i> parasites. <i>Journal of Antibiotics</i> , 2015, 68, 540-542.	2.0	13
27	Discovery of Alternative Producers of the Eneidyne Antitumor Antibiotic C-1027 with High Titers. <i>Journal of Natural Products</i> , 2018, 81, 594-599.	3.0	13
28	Bleomycin analogues preferentially cleave at the transcription start sites of actively transcribed genes in human cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2017, 85, 56-65.	2.8	12
29	Herbicidins from <i>Streptomyces</i> sp. CB01388 Showing Anti- <i>Cryptosporidium</i> Activity. <i>Journal of Natural Products</i> , 2018, 81, 791-797.	3.0	12
30	Improved production of the tallysomyacin H-1 in <i>Streptoalloteichus hindustanus</i> SB8005 strain by fermentation optimization. <i>Applied Microbiology and Biotechnology</i> , 2010, 86, 1345-1353.	3.6	11
31	Characterization of LnmO as a pathway-specific Crp/Fnr-type positive regulator for leinamycin biosynthesis in <i>Streptomyces atroolivaceus</i> and its application for titer improvement. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 10555-10562.	3.6	11
32	Germicidins H-J from <i>Streptomyces</i> sp. CB00361. <i>Journal of Antibiotics</i> , 2017, 70, 200-203.	2.0	11
33	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
34	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
35	Cryptic Sulfur Incorporation in Thioangucycline Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7140-7147.	13.8	10
36	Functional Characterization of ttnI Completing the Tailoring Steps for Tautomycetin Biosynthesis in <i>Streptomyces griseochromogenes</i> . <i>Organic Letters</i> , 2012, 14, 1302-1305.	4.6	9

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37	BlmB and TlmB Provide Resistance to the Bleomycin Family of Antitumor Antibiotics by <i>N</i> -Acetylating Metal-Free Bleomycin, Tallysomycin, Phleomycin, and Zorbamycin. <i>Biochemistry</i> , 2014, 53, 6901-6909.	2.5	9
38	Crystal Structure of the Zorbamycin-Binding Protein ZbmA, the Primary Self-Resistance Element in <i>Streptomyces flavoviridis</i> ATCC21892. <i>Biochemistry</i> , 2015, 54, 6842-6851.	2.5	9
39	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
40	Zorbamycin has a different DNA sequence selectivity compared with bleomycin and analogues. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 6094-6101.	3.0	7
41	New isofuranonaphthoquinones and isoindolequinones from <i>Streptomyces</i> sp. CB01883. <i>Journal of Antibiotics</i> , 2017, 70, 414-422.	2.0	7
42	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
43	Discovery of Kirromycins with Anti-Wolbachia Activity from <i>Streptomyces</i> sp. CB00686. <i>ACS Chemical Biology</i> , 2019, 14, 1174-1182.	3.4	7
44	Discovery of ammosesters by mining the <i>Streptomyces uncialis</i> DCA2648 genome revealing new insight into ammosamide biosynthesis. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2021, 48, .	3.0	7
45	Iso-migrastatin titer improvement in the engineered <i>Streptomyces lividans</i> SB11002 strain by optimization of fermentation conditions. <i>Biotechnology and Bioprocess Engineering</i> , 2010, 15, 664-669.	2.6	6
46	Oxidative activation of leinamycin E1 triggers alkylation of guanine residues in double-stranded DNA. <i>Chemical Communications</i> , 2018, 54, 256-259.	4.1	5
47	The genome-wide sequence specificity of DNA cleavage by bleomycin analogues in human cells. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 4168-4178.	3.0	5
48	P450-Catalyzed Tailoring Steps in Leinamycin Biosynthesis Featuring Regio- and Stereoselective Hydroxylations and Substrate Promiscuities. <i>Biochemistry</i> , 2018, 57, 5005-5013.	2.5	5
49	Rational Approach to Identify RNA Targets of Natural Products Enables Identification of Nocathiacin as an Inhibitor of an Oncogenic RNA. <i>ACS Chemical Biology</i> , 2022, 17, 474-482.	3.4	5
50	Functional Characterization of Cytochrome P450 Hydroxylase YpmL in Yangpumicin A Biosynthesis and Its Application for Anthraquinone-Fused Eneidyne Structural Diversification. <i>Organic Letters</i> , 2022, 24, 1219-1223.	4.6	4
51	Submerged fermentation of <i>Streptomyces uncialis</i> providing a biotechnology platform for uncialamycin biosynthesis, engineering, and production. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2021, 48, .	3.0	3
52	Competition and co-regulation of spirotoamide and tautomycetin biosynthesis in <i>Streptomyces griseochromogenes</i> , and isolation and structural elucidation of spirotoamide C and D. <i>Journal of Antibiotics</i> , 2017, 70, 710-714.	2.0	2
53	Cryptic Sulfur Incorporation in Thioangucycline Biosynthesis. <i>Angewandte Chemie</i> , 2021, 133, 7216-7223.	2.0	1