Yanwen Duan

List of Publications by Year in descending order

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44 papers	910 citations	471509 17 h-index	501196 28 g-index
46 all docs	46 docs citations	46 times ranked	986 citing authors

#	Article	IF	Citations
1	Infection microenvironment-related antibacterial nanotherapeutic strategies. Biomaterials, 2022, 280, 121249.	11.4	98
2	Strain Prioritization and Genome Mining for Enediyne Natural Products. MBio, 2016, 7, .	4.1	89
3	Discovery of the leinamycin family of natural products by mining actinobacterial genomes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E11131-E11140.	7.1	84
4	Angucyclines and Angucyclinones from Streptomyces sp. CB01913 Featuring C-Ring Cleavage and Expansion. Journal of Natural Products, 2015, 78, 2471-2480.	3.0	41
5	A Designer Bleomycin with Significantly Improved DNA Cleavage Activity. Journal of the American Chemical Society, 2012, 134, 13501-13509.	13.7	37
6	Antimicrobial Spirotetronate Metabolites from Marine-Derived Micromonospora harpali SCSIO GJ089. Journal of Natural Products, 2017, 80, 1594-1603.	3.0	34
7	Ribosome engineering and fermentation optimization leads to overproduction of tiancimycin A, a new enediyne natural product from Streptomyces sp. CB03234. Journal of Industrial Microbiology and Biotechnology, 2018, 45, 141-151.	3.0	29
8	Huanglongmycin A-C, Cytotoxic Polyketides Biosynthesized by a Putative Type II Polyketide Synthase From Streptomyces sp. CB09001. Frontiers in Chemistry, 2018, 6, 254.	3.6	28
9	Streptomycinâ€induced ribosome engineering complemented with fermentation optimization for enhanced production of 10â€membered enediynes tiancimycinâ€A and tiancimycinâ€D. Biotechnology and Bioengineering, 2019, 116, 1304-1314.	3.3	28
10	Recycling of Chinese herb residues by endophytic and probiotic fungus Aspergillus cristatus CB10002 for the production of medicinal valuable anthraquinones. Microbial Cell Factories, 2019, 18, 102.	4.0	27
11	Biosynthesis of thiocarboxylic acid-containing natural products. Nature Communications, 2018, 9, 2362.	12.8	26
12	Titer improvement and pilot-scale production of platensimycin from Streptomyces platensis SB12026. Journal of Industrial Microbiology and Biotechnology, 2016, 43, 1027-1035.	3.0	25
13	Strain improvement by combined UV mutagenesis and ribosome engineering and subsequent fermentation optimization for enhanced 6â€²-deoxy-bleomycin Z production. Applied Microbiology and Biotechnology, 2018, 102, 1651-1661.	3.6	25
14	Cytotoxic rearranged angucycline glycosides from deep sea-derived Streptomyces lusitanus SCSIO LR32. Journal of Antibiotics, 2017, 70, 819-822.	2.0	22
15	Platensimycin-Encapsulated Poly(lactic-co-glycolic acid) and Poly(amidoamine) Dendrimers Nanoparticles with Enhanced Anti-Staphylococcal Activity in Vivo. Bioconjugate Chemistry, 2020, 31, 1425-1437.	3.6	22
16	Co-amorphous systems of sinomenine with nonsteroidal anti-inflammatory drugs: A strategy for solubility improvement, sustained release, and drug combination therapy against rheumatoid arthritis. International Journal of Pharmaceutics, 2021, 606, 120894.	5.2	21
17	A point cloud-based deep learning strategy for proteinâ€“ligand binding affinity prediction. Briefings in Bioinformatics, 2022, 23, .	6.5	21
18	Platensimycin-Encapsulated Liposomes or Micelles as Biosafe Nanoantibiotics Exhibited Strong Antibacterial Activities against Methicillin-Resistant Staphylococcus aureus Infection in Mice. Molecular Pharmaceutics, 2020, 17, 2451-2462.	4.6	19

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19	Sinomenine-phenolic acid coamorphous drug systems: Solubilization, sustained release, and improved physical stability. International Journal of Pharmaceutics, 2021, 598, 120389.	5.2	18
20	Biomimetic Stereoselective Sulfa-Michael Addition Leads to Platensimycin and Platencin Sulfur Analogues against Methicillin-Resistant Staphylococcus aureus. Journal of Natural Products, 2018, 81, 316-322.	3.0	17
21	The discovery and development of microbial bleomycin analogues. Applied Microbiology and Biotechnology, 2018, 102, 6791-6798.	3.6	17
22	Identification and Characterization of a New Erythromycin Biosynthetic Gene Cluster in Actinopolyspora erythraea YIM90600, a Novel Erythronolide-Producing Halophilic Actinomycete Isolated from Salt Field. PLoS ONE, 2014, 9, e108129.	2.5	17
23	Genome shuffling based on different types of ribosome engineering mutants for enhanced production of 10-membered enediyne tiancimycin-A. Applied Microbiology and Biotechnology, 2020, 104, 4359-4369.	3.6	16
24	Discovery of Alternative Producers of the Enediyne Antitumor Antibiotic C-1027 with High Titers. Journal of Natural Products, 2018, 81, 594-599.	3.0	13
25	Herbicidins from Streptomyces sp. CB01388 Showing Anti-Cryptosporidium Activity. Journal of Natural Products, 2018, 81, 791-797.	3.0	12
26	Discovery of gas vesicles in Streptomyces sp. CB03234-S and potential effects of gas vesicle gene overexpression on morphological and metabolic changes in streptomycetes. Applied Microbiology and Biotechnology, 2019, 103, 5751-5761.	3.6	12
27	Sustained Release of Co-Amorphous Matrine-Type Alkaloids and Resveratrol with Anti-COVID-19 Potential. Pharmaceutics, 2022, 14, 603.	4.5	12
28	A facile semi-synthetic approach towards halogen-substituted aminobenzoic acid analogues of platensimycin. Tetrahedron, 2017, 73, 771-775.	1.9	11
29	Germicidins Hâ€“J from Streptomyces sp. CB00361. Journal of Antibiotics, 2017, 70, 200-203.	2.0	11
30	Syn-2, 3-diols and anti-inflammatory indole derivatives from Streptomyces sp. CB09001. Natural Product Research, 2021, 35, 144-151.	1.8	11
31	Liposome-Encapsulated Tiancimycin A Is Active against Melanoma and Metastatic Breast Tumors: The Effect of cRGD Modification of the Liposomal Carrier and Tiancimycin A Dose on Drug Activity and Toxicity. Molecular Pharmaceutics, 2022, 19, 1078-1090.	4.6	9
32	Nanoparticle-Hydrogel Systems Containing Platensimycin for Local Treatment of Methicillin-Resistant Staphylococcus aureus Infection. Molecular Pharmaceutics, 2021, 18, 4099-4110.	4.6	8
33	New isofuranonaphthoquinones and isoindolequinones from Streptomyces sp. CB01883. Journal of Antibiotics, 2017, 70, 414-422.	2.0	7
34	Discovery of Kirromycins with Anti-Wolbachia Activity from Streptomyces sp. CB00686. ACS Chemical Biology, 2019, 14, 1174-1182.	3.4	7
35	Fatty Acid Synthase Inhibitor Platensimycin Intervenes the Development of Nonalcoholic Fatty Liver Disease in a Mouse Model. Biomedicines, 2022, 10, 5.	3.2	7
36	Semisynthesis and Biological Evaluation of Platensimycin Analogues with Varying Aminobenzoic Acids. ChemistrySelect, 2018, 3, 12625-12629.	1.5	6

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37	Genome mining of Streptomyces sp. CB00271 as a natural highâ€producer of Î²â€rubromycin and the resulting discovery of Î²â€rubromycin acid. Biotechnology and Bioengineering, 2021, 118, 2243-2254.	3.3	5
38	Bioactive Î±-Pyrone Derivatives from the Endophytic Fungus Diaporthe sp. CB10100 as Inducible Nitric Oxide Synthase Inhibitors. Frontiers in Chemistry, 2021, 9, 679592.	3.6	5
39	Medium optimization and subsequent fermentative regulation enabled the scaledâ€up production of antiâ€tuberculosis drug leads ilamycinâ€E1/E2. Biotechnology Journal, 2022, 17, e2100427.	3.5	5
40	Degradation of mirubactin to multiple siderophores with varying Fe(<scp>iii</scp>) chelation properties. Organic and Biomolecular Chemistry, 2022, 20, 5066-5070.	2.8	3
41	Genome mining of novel rubiginones from Streptomyces sp. CB02414 and characterization of the post-PKS modification steps in rubiginone biosynthesis. Microbial Cell Factories, 2021, 20, 192.	4.0	2
42	Discovery of a DNA Topoisomerase I Inhibitor Huanglongmycin N and Its Congeners from Streptomyces sp. CB09001. Journal of Organic Chemistry, 2021, 86, 16675-16683.	3.2	2
43	Deoxidized gulose moiety attenuates the pulmonary toxicity of 6'-deoxy-bleomycin Z without effect on its antitumor activity. Biomedicine and Pharmacotherapy, 2021, 136, 111222.	5.6	0
44	Morphing Natural Product Platensimycin via Heck, Sonogashira, and One-Pot Sonogashira/Cycloaddition Reactions to Produce Antibiotics with In Vivo Activity. Antibiotics, 2022, 11, 425.	3.7	0