

Qianjin Kang

List of Publications by Year in descending order

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papers

532
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687363

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27
all docs

27
docs citations

27
times ranked

680
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and Mechanistic Insights into Chain Release of the Polyene PKS Thioesterase Domain. ACS Catalysis, 2022, 12, 762-776.	11.2	11
2	Comparative Transcriptome-Based Mining of Genes Involved in the Export of Polyether Antibiotics for Titer Improvement. Antibiotics, 2022, 11, 600.	3.7	3
3	Adaptive Optimization Boosted the Production of Moenomycin A in the Microbial Chassis <i>Streptomyces albus</i> J1074. ACS Synthetic Biology, 2021, 10, 2210-2221.	3.8	2
4	Determination of the Protein-Protein Interactions within Acyl Carrier Protein (MmcB)-Dependent Modifications in the Biosynthesis of Mitomycin. Molecules, 2021, 26, 6791.	3.8	1
5	p-Aminophenylalanine Involved in the Biosynthesis of Antitumor Dnacin B1 for Quinone Moiety Formation. Molecules, 2020, 25, 4186.	3.8	2
6	The Antitumor Agent Ansamitocin P-3 Binds to Cell Division Protein FtsZ in <i>Actinosynnema pretiosum</i> . Biomolecules, 2020, 10, 699.	4.0	8
7	Subtilisin-Involved Morphology Engineering for Improved Antibiotic Production in Actinomycetes. Biomolecules, 2020, 10, 851.	4.0	10
8	A severe leakage of intermediates to shunt products in acarbose biosynthesis. Nature Communications, 2020, 11, 1468.	12.8	15
9	Generation of tetramycin B derivative with improved pharmacological property based on pathway engineering. Applied Microbiology and Biotechnology, 2020, 104, 2561-2573.	3.6	9
10	<i>Nonomuraea nitratireducens</i> sp. nov., a new actinobacterium isolated from Suaeda australis Moq. rhizosphere. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 5026-5031.	1.7	7
11	Comparative functional genomics of the acarbose producers reveals potential targets for metabolic engineering. Synthetic and Systems Biotechnology, 2019, 4, 49-56.	3.7	13
12	Directed accumulation of less toxic pimaricin derivatives by improving the efficiency of a polyketide synthase dehydratase domain. Applied Microbiology and Biotechnology, 2017, 101, 2427-2436.	3.6	5
13	Identification and Engineering of Post-PKS Modification Bottlenecks for Ansamitocin P-3 Titer Improvement in <i>Actinosynnema pretiosum</i> ATCC 31280. Biotechnology Journal, 2017, 12, 1700484.	3.5	24
14	Improved PKS Gene Expression With Strong Endogenous Promoter Resulted in Geldanamycin Yield Increase. Biotechnology Journal, 2017, 12, 1700321.	3.5	14
15	Formation of an Angular Aromatic Polyketide from a Linear Anthrene Precursor via Oxidative Rearrangement. Cell Chemical Biology, 2017, 24, 881-891.e4.	5.2	21
16	Identification and engineering of regulation-related genes toward improved kasugamycin production. Applied Microbiology and Biotechnology, 2016, 100, 1811-1821.	3.6	9
17	Functional Genome Mining for Metabolites Encoded by Large Gene Clusters through Heterologous Expression of a Whole-Genome Bacterial Artificial Chromosome Library in <i>Streptomyces</i> spp. Applied and Environmental Microbiology, 2016, 82, 5795-5805.	3.1	65
18	Formation of the ^{18,19} Double Bond and Bis(spiroacetal) in Salinomycin Is Atypically Catalyzed by SlnM, a Methyltransferase-like Enzyme. Angewandte Chemie - International Edition, 2015, 54, 9097-9100.	13.8	24

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19	Engineered biosynthesis of pimaricin derivatives with improved antifungal activity and reduced cytotoxicity. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 6745-6752.	3.6	20
20	Positive and negative regulation of GlnR in validamycin A biosynthesis by binding to different loci in promoter region. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 4771-4783.	3.6	30
21	Operon for Biosynthesis of Lipstatin, the Beta-Lactone Inhibitor of Human Pancreatic Lipase. <i>Applied and Environmental Microbiology</i> , 2014, 80, 7473-7483.	3.1	34
22	Toward steadfast growth of antibiotic research in China: From natural products to engineered biosynthesis. <i>Biotechnology Advances</i> , 2012, 30, 1228-1241.	11.7	5
23	Cloning and Characterization of the Polyether Salinomycin Biosynthesis Gene Cluster of <i>Streptomyces albus</i> XM211. <i>Applied and Environmental Microbiology</i> , 2012, 78, 994-1003.	3.1	61
24	Biosynthesis of 3,5-AHBA-derived natural products. <i>Natural Product Reports</i> , 2012, 29, 243-263.	10.3	104
25	Dual Carbamoylations on the Polyketide and Glycosyl Moiety by Asm21 Result in Extended Ansamitocin Biosynthesis. <i>Chemistry and Biology</i> , 2011, 18, 1571-1580.	6.0	17
26	N-Methylation of the Amide Bond by Methyltransferase Asm10 in Ansamitocin Biosynthesis. <i>ChemBioChem</i> , 2011, 12, 1759-1766.	2.6	16