

Qianjin Kang

List of Publications by Year in descending order

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26
papers

532
citations

687363

13
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all docs

27
docs citations

27
times ranked

680
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosynthesis of 3,5-AHBA-derived natural products. <i>Natural Product Reports</i> , 2012, 29, 243-263.	10.3	104
2	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. <i>Applied and Environmental Microbiology</i> , 2016, 82, 5795-5805.	3.1	65
3	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
4	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
5	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
6	Formation of the $\alpha^{18,19}$ Double Bond and Bis(spiroacetal) in Salinomycin Is Atypically Catalyzed by SlnM, a Methyltransferase-like Enzyme. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9097-9100.	13.8	24
7	Identification and Engineering of Post-PKS Modification Bottlenecks for Ansamitocin P ₃ Titer Improvement in <i>Actinosynnema pretiosum</i> subsp. <i>pretiosum</i> ATCC 31280. <i>Biotechnology Journal</i> , 2017, 12, 1700484.	3.5	24
8	Formation of an Angular Aromatic Polyketide from a Linear Anthrene Precursor via Oxidative Rearrangement. <i>Cell Chemical Biology</i> , 2017, 24, 881-891.e4.	5.2	21
9	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
10	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
11	N-Methylation of the Amide Bond by Methyltransferase Asm10 in Ansamitocin Biosynthesis. <i>ChemBioChem</i> , 2011, 12, 1759-1766.	2.6	16
12	A severe leakage of intermediates to shunt products in acarbose biosynthesis. <i>Nature Communications</i> , 2020, 11, 1468.	12.8	15
13	Improved PKS Gene Expression With Strong Endogenous Promoter Resulted in Geldanamycin Yield Increase. <i>Biotechnology Journal</i> , 2017, 12, 1700321.	3.5	14
14	Comparative functional genomics of the acarbose producers reveals potential targets for metabolic engineering. <i>Synthetic and Systems Biotechnology</i> , 2019, 4, 49-56.	3.7	13
15	Structural and Mechanistic Insights into Chain Release of the Polyene PKS Thioesterase Domain. <i>ACS Catalysis</i> , 2022, 12, 762-776.	11.2	11
16	Subtilisin-Involved Morphology Engineering for Improved Antibiotic Production in Actinomycetes. <i>Biomolecules</i> , 2020, 10, 851.	4.0	10
17	Identification and engineering of regulation-related genes toward improved kasugamycin production. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 1811-1821.	3.6	9
18	Generation of tetramycin B derivative with improved pharmacological property based on pathway engineering. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 2561-2573.	3.6	9

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19	The Antitumor Agent Ansamitocin P-3 Binds to Cell Division Protein FtsZ in <i>Actinosynnema pretiosum</i> . <i>Biomolecules</i> , 2020, 10, 699.	4.0	8
20	<i>Nonomuraea nitratireducens</i> sp. nov., a new actinobacterium isolated from Suaeda australis Moq. rhizosphere. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 5026-5031.	1.7	7
21	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
22	Directed accumulation of less toxic pimaricin derivatives by improving the efficiency of a polyketide synthase dehydratase domain. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 2427-2436.	3.6	5
23	Comparative Transcriptome-Based Mining of Genes Involved in the Export of Polyether Antibiotics for Titer Improvement. <i>Antibiotics</i> , 2022, 11, 600.	3.7	3
24	p-Aminophenylalanine Involved in the Biosynthesis of Antitumor Dnacin B1 for Quinone Moiety Formation. <i>Molecules</i> , 2020, 25, 4186.	3.8	2
25	Adaptive Optimization Boosted the Production of Moenomycin A in the Microbial Chassis <i>Streptomyces albus</i> J1074. <i>ACS Synthetic Biology</i> , 2021, 10, 2210-2221.	3.8	2
26	Determination of the Protein-Protein Interactions within Acyl Carrier Protein (MmcB)-Dependent Modifications in the Biosynthesis of Mitomycin. <i>Molecules</i> , 2021, 26, 6791.	3.8	1