

Bo Li

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,713
citations

361413

20
h-index

434195

31
g-index

36
all docs

36
docs citations

36
times ranked

1856
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and Mechanism of the Lantibiotic Cyclase Involved in Nisin Biosynthesis. <i>Science</i> , 2006, 311, 1464-1467.	12.6	275
2	Catalytic promiscuity in the biosynthesis of cyclic peptide secondary metabolites in planktonic marine cyanobacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10430-10435.	7.1	256
3	Discovery of Unique Lanthionine Synthetases Reveals New Mechanistic and Evolutionary Insights. <i>PLoS Biology</i> , 2010, 8, e1000339.	5.6	186
4	Dithiopyrrolones: biosynthesis, synthesis, and activity of a unique class of disulfide-containing antibiotics. <i>Natural Product Reports</i> , 2014, 31, 905-923.	10.3	110
5	Identification of the gene cluster for the dithiopyrrolone antibiotic holomycin in <i>Streptomyces clavuligerus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19731-19735.	7.1	85
6	Identification of Essential Catalytic Residues of the Cyclase NisC Involved in the Biosynthesis of Nisin. <i>Journal of Biological Chemistry</i> , 2007, 282, 21169-21175.	3.4	78
7	Role for dithiopyrrolones in disrupting bacterial metal homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2717-2722.	7.1	73
8	Two Flavoenzymes Catalyze the Post-Translational Generation of 5-Chlorotryptophan and 2-Aminovinyl-Cysteine during NAI-107 Biosynthesis. <i>ACS Chemical Biology</i> , 2017, 12, 548-557.	3.4	64
9	<i>Streptomyces clavuligerus</i> Hml Is an Intramolecular Disulfide-Forming Dithiol Oxidase in Holomycin Biosynthesis. <i>Biochemistry</i> , 2011, 50, 4615-4622.	2.5	59
10	Identification of the Biosynthetic Pathway for the Antibiotic Bicyclomycin. <i>Biochemistry</i> , 2018, 57, 61-65.	2.5	55
11	Gut Microbial β -Glucuronidase Inhibition via Catalytic Cycle Interception. <i>ACS Central Science</i> , 2018, 4, 868-879.	11.3	52
12	Biosynthesis of fluopsin C, a copper-containing antibiotic from <i>Pseudomonas aeruginosa</i> . <i>Science</i> , 2021, 374, 1005-1009.	12.6	50
13	A Backup Plan for Self-Protection: S-Methylation of Holomycin Biosynthetic Intermediates in <i>Streptomyces clavuligerus</i> . <i>ChemBioChem</i> , 2012, 13, 2521-2526.	2.6	40
14	Phevamine A, a small molecule that suppresses plant immune responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9514-E9522.	7.1	37
15	A Chemical-Genomic Screen of Neglected Antibiotics Reveals Illicit Transport of Kasugamycin and Blasticidin S. <i>PLoS Genetics</i> , 2016, 12, e1006124.	3.5	36
16	Discovery of (Dihydro)pyrazine N-Oxides via Genome Mining in <i>Pseudomonas</i> . <i>Organic Letters</i> , 2018, 20, 4791-4795.	4.6	33
17	Enzymatic Basis of α -Hybridity in Thiomarinol Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5137-5141.	13.8	32
18	In Vitro Biosynthesis of the Nonproteinogenic Amino Acid Methoxyvinylglycine. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6780-6785.	13.8	29

#	ARTICLE	IF	CITATIONS
19	Chapter 21 In Vitro Studies of Lantibiotic Biosynthesis. <i>Methods in Enzymology</i> , 2009, 458, 533-558.	1.0	27
20	Discovery and Biosynthesis of Azabicyclene, a Conserved Nonribosomal Peptide in <i>Pseudomonas aeruginosa</i> . <i>Organic Letters</i> , 2019, 21, 4955-4959.	4.6	25
21	Targeted Rediscovery and Biosynthesis of the Farnesyltransferase Inhibitor Peptidocinnaminate. <i>ChemBioChem</i> , 2019, 20, 1387-1393.	2.6	17
22	Specificity of Nonribosomal Peptide Synthetases in the Biosynthesis of the <i>Pseudomonas</i> virulence factor. <i>Biochemistry</i> , 2019, 58, 5249-5254.	2.5	17
23	In Vitro Reconstitution Reveals a Central Role for the Oxygenase PvfB in (Dihydro)pyrazine-N-oxide and Valdiazen Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21387-21391.	13.8	15
24	Inhibition of Isoleucyl-tRNA Synthetase by the Hybrid Antibiotic Thiomarinol. <i>Journal of the American Chemical Society</i> , 2021, 143, 12003-12013.	13.7	14
25	Biosynthesis and Mode of Action of Lantibiotics. , 2010, , 217-256.		10
26	Reducing Holomycin Thiosulfonate to its Disulfide with Thiols. <i>Chemical Research in Toxicology</i> , 2019, 32, 400-404.	3.3	8
27	Enzymatic Synthesis of Diverse Heterocycles by a Noncanonical Nonribosomal Peptide Synthetase. <i>ACS Chemical Biology</i> , 2021, 16, 2776-2786.	3.4	7
28	In Vitro Biosynthesis of the Nonproteinogenic Amino Acid Methoxyvinylglycine. <i>Angewandte Chemie</i> , 2018, 130, 6896-6901.	2.0	5
29	<i>Pseudomonas</i> Virulence Factor Pathway Synthesizes Autoinducers That Regulate the Secretome of a Pathogen. <i>ACS Chemical Biology</i> , 2021, 16, 501-509.	3.4	5
30	Direct Capture Technologies for Genomics-Guided Discovery of Natural Products. <i>Current Topics in Medicinal Chemistry</i> , 2016, 16, 1695-1704.	2.1	4
31	In Vitro Reconstitution Reveals a Central Role for the Oxygenase PvfB in (Dihydro)pyrazine-N-oxide and Valdiazen Biosynthesis. <i>Angewandte Chemie</i> , 2020, 132, 21571-21575.	2.0	1