

Andrew W Truman

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

5,570
citations

304743

22
h-index

361022

35
g-index

45
all docs

45
docs citations

45
times ranked

5837
citing authors

#	ARTICLE	IF	CITATIONS
1	Ribosomally synthesized and post-translationally modified peptide natural products: overview and recommendations for a universal nomenclature. <i>Natural Product Reports</i> , 2013, 30, 108-160.	10.3	1,692
2	Antibiotics: past, present and future. <i>Current Opinion in Microbiology</i> , 2019, 51, 72-80.	5.1	1,012
3	Minimum Information about a Biosynthetic Gene cluster. <i>Nature Chemical Biology</i> , 2015, 11, 625-631.	8.0	715
4	Towards the sustainable discovery and development of new antibiotics. <i>Nature Reviews Chemistry</i> , 2021, 5, 726-749.	30.2	439
5	New developments in RiPP discovery, enzymology and engineering. <i>Natural Product Reports</i> , 2021, 38, 130-239.	10.3	412
6	Reproducible molecular networking of untargeted mass spectrometry data using GNPS. <i>Nature Protocols</i> , 2020, 15, 1954-1991.	12.0	344
7	Uncovering the unexplored diversity of thioamidated ribosomal peptides in Actinobacteria using the RiPPER genome mining tool. <i>Nucleic Acids Research</i> , 2019, 47, 4624-4637.	14.5	98
8	A Genomics-Based Approach Identifies a Thioviridamide-Like Compound with Selective Anticancer Activity. <i>ACS Chemical Biology</i> , 2017, 12, 2815-2822.	3.4	88
9	Dissecting Bottromycin Biosynthesis Using Comparative Untargeted Metabolomics. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9639-9643.	13.8	68
10	Identification and characterisation of the gene cluster for the anti-MRSA antibiotic bottromycin: expanding the biosynthetic diversity of ribosomal peptides. <i>Chemical Science</i> , 2012, 3, 3516.	7.4	64
11	Genome mining strategies for ribosomally synthesised and post-translationally modified peptides. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 1838-1851.	4.1	61
12	Antibiotic Resistance Mechanisms Inform Discovery: Identification and Characterization of a Novel Amycolatopsis Strain Producing Ristocetin. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 5687-5695.	3.2	43
13	Cyclisation mechanisms in the biosynthesis of ribosomally synthesised and post-translationally modified peptides. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 1250-1268.	2.2	41
14	The pathway-specific regulatory genes, <i>tei15*</i> and <i>tei16*</i> , are the master switches of teicoplanin production in <i>Actinoplanes teichomyceticus</i> . <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 9295-9309.	3.6	36
15	Macroamidine Formation in Bottromycins Is Catalyzed by a Divergent YcaO Enzyme. <i>Journal of the American Chemical Society</i> , 2017, 139, 18158-18161.	13.7	36
16	Discovery and Biosynthesis of the Antibiotic Bicyclomycin in Distantly Related Bacterial Classes. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	36
17	Rapid and Robust Yeast-Mediated Pathway Refactoring Generates Multiple New Bottromycin-Related Metabolites. <i>ACS Synthetic Biology</i> , 2018, 7, 1211-1218.	3.8	34
18	Warhead biosynthesis and the origin of structural diversity in hydroxamate metalloproteinase inhibitors. <i>Nature Communications</i> , 2017, 8, 1965.	12.8	32

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19	Thioalbamide, A Thioamidated Peptide from <i>Amycolatopsis alba</i> , Affects Tumor Growth and Stemness by Inducing Metabolic Dysfunction and Oxidative Stress. <i>Cells</i> , 2019, 8, 1408.	4.1	31
20	Bottromycins - biosynthesis, synthesis and activity. <i>Natural Product Reports</i> , 2021, 38, 1659-1683.	10.3	30
21	Activation of Secondary Metabolite Gene Clusters in <i>Streptomyces clavuligerus</i> by the PimM Regulator of <i>Streptomyces natalensis</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 580.	3.5	27
22	Identification of a Deacetylase Involved in the Maturation of Teicoplanin. <i>ChemBioChem</i> , 2006, 7, 1670-1675.	2.6	26
23	The frontline antibiotic vancomycin induces a zinc starvation response in bacteria by binding to Zn(II). <i>Scientific Reports</i> , 2016, 6, 19602.	3.3	25
24	Pan-genome analysis identifies intersecting roles for <i>Pseudomonas</i> specialized metabolites in potato pathogen inhibition. <i>ELife</i> , 2021, 10, .	6.0	25
25	Teicoplanin biosynthesis: unraveling the interplay of structural, regulatory, and resistance genes. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 3279-3291.	3.6	21
26	Characterization of the Post-Assembly Line Tailoring Processes in Teicoplanin Biosynthesis. <i>ACS Chemical Biology</i> , 2016, 11, 2254-2264.	3.4	18
27	The bottromycin epimerase BotH defines a group of atypical β -hydrolase-fold enzymes. <i>Nature Chemical Biology</i> , 2020, 16, 1013-1018.	8.0	18
28	Understanding thioamitide biosynthesis using pathway engineering and untargeted metabolomics. <i>Chemical Science</i> , 2021, 12, 7138-7150.	7.4	18
29	Genomic-Led Discovery of a Novel Glycopeptide Antibiotic by <i>Nonomuraea coxensis</i> DSM 45129. <i>ACS Chemical Biology</i> , 2021, 16, 915-928.	3.4	16
30	The Role of Cep15 in the Biosynthesis of Chloroeremomycin: Reactivation of an Ancestral Catalytic Function. <i>Chemistry and Biology</i> , 2008, 15, 476-484.	6.0	14
31	Discovery and characterisation of an amidine-containing ribosomally-synthesised peptide that is widely distributed in nature. <i>Chemical Science</i> , 2021, 12, 11769-11778.	7.4	9
32	A User Guide for the Identification of New RiPP Biosynthetic Gene Clusters Using a RiPPER-Based Workflow. <i>Methods in Molecular Biology</i> , 2021, 2296, 227-247.	0.9	8
33	Regulation of Bottromycin Biosynthesis Involves an Internal Transcriptional Start Site and a Cluster-Situated Modulator. <i>Frontiers in Microbiology</i> , 2020, 11, 495.	3.5	7
34	Dissecting Bottromycin Biosynthesis Using Comparative Untargeted Metabolomics. <i>Angewandte Chemie</i> , 2016, 128, 9791-9795.	2.0	6
35	A biofoundry workflow for the identification of genetic determinants of microbial growth inhibition. <i>Synthetic Biology</i> , 2021, 6, ysab004.	2.2	6