

Andrew W Truman

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

5,570
citations

304368

22
h-index

360668

35
g-index

45
all docs

45
docs citations

45
times ranked

5837
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | New developments in RiPP discovery, enzymology and engineering. <i>Natural Product Reports</i> , 2021, 38, 130-239. | 5.2 | 412 |
| 2 | A biofoundry workflow for the identification of genetic determinants of microbial growth inhibition. <i>Synthetic Biology</i> , 2021, 6, ysab004. | 1.2 | 6 |
| 3 | Discovery and characterisation of an amidine-containing ribosomally-synthesised peptide that is widely distributed in nature. <i>Chemical Science</i> , 2021, 12, 11769-11778. | 3.7 | 9 |
| 4 | Bottromycins - biosynthesis, synthesis and activity. <i>Natural Product Reports</i> , 2021, 38, 1659-1683. | 5.2 | 30 |
| 5 | 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. | 0.4 | 8 |
| 6 | Genomic-Led Discovery of a Novel Glycopeptide Antibiotic by <i>Nonomuraea coxensis</i> DSM 45129. <i>ACS Chemical Biology</i> , 2021, 16, 915-928. | 1.6 | 16 |
| 7 | Towards the sustainable discovery and development of new antibiotics. <i>Nature Reviews Chemistry</i> , 2021, 5, 726-749. | 13.8 | 439 |
| 8 | Understanding thioamide biosynthesis using pathway engineering and untargeted metabolomics. <i>Chemical Science</i> , 2021, 12, 7138-7150. | 3.7 | 18 |
| 9 | Pan-genome analysis identifies intersecting roles for <i>Pseudomonas</i> specialized metabolites in potato pathogen inhibition. <i>ELife</i> , 2021, 10, . | 2.8 | 25 |
| 10 | Reproducible molecular networking of untargeted mass spectrometry data using GNPS. <i>Nature Protocols</i> , 2020, 15, 1954-1991. | 5.5 | 344 |
| 11 | Regulation of Bottromycin Biosynthesis Involves an Internal Transcriptional Start Site and a Cluster-Situated Modulator. <i>Frontiers in Microbiology</i> , 2020, 11, 495. | 1.5 | 7 |
| 12 | Genome mining strategies for ribosomally synthesised and post-translationally modified peptides. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 1838-1851. | 1.9 | 61 |
| 13 | The bottromycin epimerase Both defines a group of atypical β -hydrolase-fold enzymes. <i>Nature Chemical Biology</i> , 2020, 16, 1013-1018. | 3.9 | 18 |
| 14 | Teicoplanin biosynthesis: unraveling the interplay of structural, regulatory, and resistance genes. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 3279-3291. | 1.7 | 21 |
| 15 | 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. | 6.5 | 98 |
| 16 | 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. | 1.5 | 27 |
| 17 | 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. | 1.8 | 31 |
| 18 | Antibiotics: past, present and future. <i>Current Opinion in Microbiology</i> , 2019, 51, 72-80. | 2.3 | 1,012 |

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|----|---|-----|-----------|
| 19 | Discovery and Biosynthesis of the Antibiotic Bicyclomycin in Distantly Related Bacterial Classes. <i>Applied and Environmental Microbiology</i> , 2018, 84, . | 1.4 | 36 |
| 20 | Rapid and Robust Yeast-Mediated Pathway Refactoring Generates Multiple New Bottromycin-Related Metabolites. <i>ACS Synthetic Biology</i> , 2018, 7, 1211-1218. | 1.9 | 34 |
| 21 | A Genomics-Based Approach Identifies a Thioviridamide-Like Compound with Selective Anticancer Activity. <i>ACS Chemical Biology</i> , 2017, 12, 2815-2822. | 1.6 | 88 |
| 22 | Macroamidine Formation in Bottromycins Is Catalyzed by a Divergent YcaO Enzyme. <i>Journal of the American Chemical Society</i> , 2017, 139, 18158-18161. | 6.6 | 36 |
| 23 | Warhead biosynthesis and the origin of structural diversity in hydroxamate metalloproteinase inhibitors. <i>Nature Communications</i> , 2017, 8, 1965. | 5.8 | 32 |
| 24 | Cyclisation mechanisms in the biosynthesis of ribosomally synthesised and post-translationally modified peptides. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 1250-1268. | 1.3 | 41 |
| 25 | Dissecting Bottromycin Biosynthesis Using Comparative Untargeted Metabolomics. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9639-9643. | 7.2 | 68 |
| 26 | The frontline antibiotic vancomycin induces a zinc starvation response in bacteria by binding to Zn(II). <i>Scientific Reports</i> , 2016, 6, 19602. | 1.6 | 25 |
| 27 | Dissecting Bottromycin Biosynthesis Using Comparative Untargeted Metabolomics. <i>Angewandte Chemie</i> , 2016, 128, 9791-9795. | 1.6 | 6 |
| 28 | Characterization of the Post-Assembly Line Tailoring Processes in Teicoplanin Biosynthesis. <i>ACS Chemical Biology</i> , 2016, 11, 2254-2264. | 1.6 | 18 |
| 29 | Minimum Information about a Biosynthetic Gene cluster. <i>Nature Chemical Biology</i> , 2015, 11, 625-631. | 3.9 | 715 |
| 30 | The pathway-specific regulatory genes, <i>tei15*</i> and <i>tei16*</i> , are the master switches of teicoplanin production in <i>Actinoplanes teichomyeticus</i> . <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 9295-9309. | 1.7 | 36 |
| 31 | Antibiotic Resistance Mechanisms Inform Discovery: Identification and Characterization of a Novel <i>Amycolatopsis</i> Strain Producing Ristocetin. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 5687-5695. | 1.4 | 43 |
| 32 | 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. | 5.2 | 1,692 |
| 33 | 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. | 3.7 | 64 |
| 34 | The Role of Cep15 in the Biosynthesis of Chloroeremomycin: Reactivation of an Ancestral Catalytic Function. <i>Chemistry and Biology</i> , 2008, 15, 476-484. | 6.2 | 14 |
| 35 | Identification of a Deacetylase Involved in the Maturation of Teicoplanin. <i>ChemBioChem</i> , 2006, 7, 1670-1675. | 1.3 | 26 |