Pablo Cruz-Morales

List of Publications by Year
in descending order

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33 papers	2,428 citations	430442 18 h-index	433756 31 g-index
44 all docs	44 docs citations	44 times ranked	3296 citing authors

#	Article	IF	Citations
1	Biosynthesis of polycyclopropanated high energy biofuels. Joule, 2022, 6, 1590-1605.	11.7	38
2	ActDES â€“ a curated Actinobacterial Database for Evolutionary Studies. Microbial Genomics, 2021, 7, .	1.0	2
3	Biofuels for a sustainable future. Cell, 2021, 184, 1636-1647.	13.5	156
4	Correction for Thompson et al., â€œFatty Acid and Alcohol Metabolism in Pseudomonas putida: Functional Analysis Using Random Barcode Transposon Sequencingâ€• Applied and Environmental Microbiology, 2021, 87, .	1.4	0
5	The Design-Build-Test-Learn cycle for metabolic engineering of Streptomycetes. Essays in Biochemistry, 2021, 65, 261-275.	2.1	17
6	Identification, Characterization, and Application of a Highly Sensitive Lactam Biosensor from Pseudomonas putida. ACS Synthetic Biology, 2020, 9, 53-62.	1.9	31
7	Structural Mechanism of Regioselectivity in an Unusual Bacterial Acyl-CoA Dehydrogenase. Journal of the American Chemical Society, 2020, 142, 835-846.	6.6	9
8	A computational framework to explore large-scale biosynthetic diversity. Nature Chemical Biology, 2020, 16, 60-68.	3.9	569
9	Fatty Acid and Alcohol Metabolism in Pseudomonas putida: Functional Analysis Using Random Barcode Transposon Sequencing. Applied and Environmental Microbiology, 2020, 86, .	1.4	52
10	Chemoinformatic-Guided Engineering of Polyketide Synthases. Journal of the American Chemical Society, 2020, 142, 9896-9901.	6.6	13
11	An iron (II) dependent oxygenase performs the last missing step of plant lysine catabolism. Nature Communications, 2020, 11, 2931.	5.8	11
12	Draft Genome Sequence of Agrobacterium fabrum ARqua1. Microbiology Resource Announcements, 2020, 9, .	0.3	4
13	Engineering Natural Product Biosynthetic Pathways to Produce Commodity and Specialty Chemicals. , 2020, , 352-376.		0
14	Inter-Kingdom beach warfare: Microbial chemical communication activates natural chemical defences. ISME Journal, 2019, 13, 147-158.	4.4	34
15	Comparative Genomics and Metabolomics Analyses of Clavulanic Acid-Producing Streptomyces Species Provides Insight Into Specialized Metabolism. Frontiers in Microbiology, 2019, 10, 2550.	1.5	20
16	Cycad Coralloid Roots Contain Bacterial Communities Including Cyanobacteria andCaulobacterspp. That Encode Niche-Specific Biosynthetic Gene Clusters. Genome Biology and Evolution, 2019, 11, 319-334.	1.1	57
17	Omics-driven identification and elimination of valerolactam catabolism in Pseudomonas putida KT2440 for increased product titer. Metabolic Engineering Communications, 2019, 9, e00098.	1.9	25
18	Robust Characterization of Two Distinct Glutarate Sensing Transcription Factors of Pseudomonas putida <scp>l</scp>-Lysine Metabolism. ACS Synthetic Biology, 2019, 8, 2385-2396.	1.9	17

#	Article	IF	Citations
19	Massively Parallel Fitness Profiling Reveals Multiple Novel Enzymes in Pseudomonas putida Lysine Metabolism. MBio, 2019, 10, .	1.8	60
20	Revisiting the Evolution and Taxonomy of Clostridia, a Phylogenomic Update. Genome Biology and Evolution, 2019, 11, 2035-2044.	1.1	65
21	Expanding Primary Metabolism Helps Generate the Metabolic Robustness To Facilitate Antibiotic Biosynthesis in Streptomyces. MBio, 2018, 9, .	1.8	32
22	Talaropeptides A-D: Structure and Biosynthesis of Extensively N-methylated Linear Peptides From an Australian Marine Tunicate-Derived Talaromyces sp.. Frontiers in Chemistry, 2018, 6, 394.	1.8	36
23	Actinobacteria phylogenomics, selective isolation from an iron oligotrophic environment and siderophore functional characterization, unveil new desferrioxamine traits. FEMS Microbiology Ecology, 2017, 93, .	1.3	71
24	Draft Genome Sequence of Sphingobacterium sp. CZ-UAM, Isolated from a Methanotrophic Consortium. Genome Announcements, 2017, 5, .	0.8	5
25	Diverse Cone-Snail Species Harbor Closely Related Streptomyces Species with Conserved Chemical and Genetic Profiles, Including Polycyclic Tetramic Acid Macrolactams. Frontiers in Microbiology, 2017, 8, 2305.	1.5	12
26	Phylogenomic Analysis of Natural Products Biosynthetic Gene Clusters Allows Discovery of Arseno-Organic Metabolites in Model Streptomycetes. Genome Biology and Evolution, 2016, 8, 1906-1916.	1.1	111
27	Systems Biology Approaches to Understand Natural Products Biosynthesis. Frontiers in Bioengineering and Biotechnology, 2015, 3, 199.	2.0	6
28	Minimum Information about a Biosynthetic Gene cluster. Nature Chemical Biology, 2015, 11, 625-631.	3.9	715
29	Synthetic biology of avermectin for production improvement and structure diversification. Biotechnology Journal, 2014, 9, 316-325.	1.8	29
30	The Genome Sequence of Streptomyces lividans 66 Reveals a Novel tRNA-Dependent Peptide Biosynthetic System within a Metal-Related Genomic Island. Genome Biology and Evolution, 2013, 5, 1165-1175.	1.1	99
31	What can genome-scale metabolic network reconstructions do for prokaryotic systematics?. Antonie Van Leeuwenhoek, 2012, 101, 35-43.	0.7	25
32	First Draft Genome Sequence of a Strain from the Genus Citricoccus. Journal of Bacteriology, 2011, 193, 6092-6093.	1.0	7
33	Increased transcript diversity: novel splicing variants of Machadoâ€“Joseph Disease gene (ATXN3). Neurogenetics, 2010, 11, 193-202.	0.7	37