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	Minimum Information about a Biosynthetic Gene cluster. Nature Chemical Biology, 2015, 11, 625-631.	3.9	715
2	A computational framework to explore large-scale biosynthetic diversity. Nature Chemical Biology, 2020, 16, 60-68.	3.9	569
3	Biofuels for a sustainable future. Cell, 2021, 184, 1636-1647.	13.5	156
4	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
5	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
6	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
7	Revisiting the Evolution and Taxonomy of Clostridia, a Phylogenomic Update. Genome Biology and Evolution, 2019, 11, 2035-2044.	1.1	65
8	Massively Parallel Fitness Profiling Reveals Multiple Novel Enzymes in Pseudomonas putida Lysine Metabolism. MBio, 2019, 10, .	1.8	60
9	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
10	Fatty Acid and Alcohol Metabolism in Pseudomonas putida: Functional Analysis Using Random Barcode Transposon Sequencing. Applied and Environmental Microbiology, 2020, 86, .	1.4	52
11	Biosynthesis of polycyclopropanated high energy biofuels. Joule, 2022, 6, 1590-1605.	11.7	38
12	Increased transcript diversity: novel splicing variants of Machadoâ€“Joseph Disease gene (ATXN3). Neurogenetics, 2010, 11, 193-202.	0.7	37
13	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
14	Inter-Kingdom beach warfare: Microbial chemical communication activates natural chemical defences. ISME Journal, 2019, 13, 147-158.	4.4	34
15	Expanding Primary Metabolism Helps Generate the Metabolic Robustness To Facilitate Antibiotic Biosynthesis in Streptomyces. MBio, 2018, 9, .	1.8	32
16	Identification, Characterization, and Application of a Highly Sensitive Lactam Biosensor from Pseudomonas putida. ACS Synthetic Biology, 2020, 9, 53-62.	1.9	31
17	Synthetic biology of avermectin for production improvement and structure diversification. Biotechnology Journal, 2014, 9, 316-325.	1.8	29
18	What can genome-scale metabolic network reconstructions do for prokaryotic systematics?. Antonie Van Leeuwenhoek, 2012, 101, 35-43.	0.7	25

#	Article	IF	Citations
19	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
20	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
21	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
22	The Design-Build-Test-Learn cycle for metabolic engineering of Streptomycetes. Essays in Biochemistry, 2021, 65, 261-275.	2.1	17
23	Chemoinformatic-Guided Engineering of Polyketide Synthases. Journal of the American Chemical Society, 2020, 142, 9896-9901.	6.6	13
24	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
25	An iron (II) dependent oxygenase performs the last missing step of plant lysine catabolism. Nature Communications, 2020, 11, 2931.	5.8	11
26	Structural Mechanism of Regioselectivity in an Unusual Bacterial Acyl-CoA Dehydrogenase. Journal of the American Chemical Society, 2020, 142, 835-846.	6.6	9
27	First Draft Genome Sequence of a Strain from the Genus Citricoccus. Journal of Bacteriology, 2011, 193, 6092-6093.	1.0	7
28	Systems Biology Approaches to Understand Natural Products Biosynthesis. Frontiers in Bioengineering and Biotechnology, 2015, 3, 199.	2.0	6
29	Draft Genome Sequence of Sphingobacterium sp. CZ-UAM, Isolated from a Methanotrophic Consortium. Genome Announcements, 2017, 5, .	0.8	5
30	Draft Genome Sequence of Agrobacterium fabrum ARqua1. Microbiology Resource Announcements, 2020, 9, .	0.3	4
31	ActDES â€“ a curated Actinobacterial Database for Evolutionary Studies. Microbial Genomics, 2021, 7, .	1.0	2
32	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
33	Engineering Natural Product Biosynthetic Pathways to Produce Commodity and Specialty Chemicals. , 2020, , 352-376.		0