Ayixon SÃ¡nchez-Reyes

List of Publications by Year
in descending order

27 papers	411 citations	933447 10 h-index	794594 19 g-index
33 all docs	33 docs citations	33 times ranked	522 citing authors

#	Article	IF	Citations
1	Degradation of Recalcitrant Polyurethane and Xenobiotic Additives by a Selected Landfill Microbial Community and Its Biodegradative Potential Revealed by Proximity Ligation-Based Metagenomic Analysis. Frontiers in Microbiology, 2019, 10, 2986.	3.5	84
2	Isolation and characterization of psychrophilic and psychrotolerant plant-growth promoting microorganisms from a high-altitude volcano crater in Mexico. Microbiological Research, 2020, 232, 126394.	5.3	49
3	Characterization of lignocellulolytic activities from fungi isolated from the deep-sea sponge Stelletta normani. PLoS ONE, 2017, 12, e0173750.	2.5	42
4	Transcriptomic analysis of polyaromatic hydrocarbon degradation by the halophilic fungus Aspergillus sydowii at hypersaline conditions. Environmental Microbiology, 2021, 23, 3435-3459.	3.8	41
5	Characterization of Lignocellulolytic Activities from a Moderate Halophile Strain of Aspergillus caesiellus Isolated from a Sugarcane Bagasse Fermentation. PLoS ONE, 2014, 9, e105893.	2.5	29
6	Characterization of Fungal Endophytes Isolated from the Metal Hyperaccumulator Plant Vachellia farnesiana Growing in Mine Tailings. Microorganisms, 2020, 8, 226.	3.6	21
7	Soil Type Affects Organic Acid Production and Phosphorus Solubilization Efficiency Mediated by Several Native Fungal Strains from Mexico. Microorganisms, 2020, 8, 1337.	3.6	20
8	Tracking gene expression, metabolic profiles, and biochemical analysis in the halotolerant basidiomycetous yeast Rhodotorula mucilaginosa EXF-1630 during benzo[a]pyrene and phenanthrene biodegradation under hypersaline conditions. Environmental Pollution, 2021, 271, 116358.	7.5	19
9	The first description of a hormoneâ€sensitive lipase from a basidiomycete: Structural insights and biochemical characterization revealed Bjerkandera adusta BaEstB as a novel esterase. MicrobiologyOpen, 2017, 6, e00463.	3.0	12
10	Functional Analysis of a Polluted River Microbiome Reveals a Metabolic Potential for Bioremediation. Microorganisms, 2020, 8, 554.	3.6	11
11	Aromatic Hydrocarbon Removal by Novel Extremotolerant Exophiala and Rhodotorula Spp. from an Oil Polluted Site in Mexico. Journal of Fungi (Basel, Switzerland), 2020, 6, 135.	3.5	10
12	A novel TctA citrate transporter from an activated sludge metagenome: Structural and mechanistic predictions for the TTT family. Proteins: Structure, Function and Bioinformatics, 2014, 82, 1756-1764.	2.6	9
13	Osmolyte Signatures for the Protection of Aspergillus sydowii Cells under Halophilic Conditions and Osmotic Shock. Journal of Fungi (Basel, Switzerland), 2021, 7, 414.	3.5	9
14	Paenarthrobacter sp. GOM3 Is a Novel Marine Species With Monoaromatic Degradation Relevance. Frontiers in Microbiology, 2021, 12, 713702.	3.5	8
15	Draft genome sequence of â€œCandidatus Afipia apatlaquensisâ€•sp. nov., IBT-C3, a potential strain for decolorization of textile dyes. BMC Research Notes, 2020, 13, 265.	1.4	7
16	A family 13 thioesterase isolated from an activated sludge metagenome: <scp>I</scp>nsights into aromatic compounds metabolism. Proteins: Structure, Function and Bioinformatics, 2017, 85, 1222-1237.	2.6	6
17	Effects on Capsicum annuum Plants Colonized with Trichoderma atroviride P. Karst Strains Genetically Modified in Taswo1, a Gene Coding for a Protein with Expansin-like Activity. Plants, 2021, 10, 1919.	3.5	6
18	Bioremediation of soils contaminated with petroleum solid wastes and drill cuttings by Pleurotus sp. under different treatment scales. SN Applied Sciences, 2019, 1, 1.	2.9	5

#	Article	IF	Citations
19	Exploring the polyurethanolytic activity and microbial composition of landfill microbial communities. Applied Microbiology and Biotechnology, 2021, 105, 7969-7980.	3.6	5
20	Hi-C deconvolution of a textile dyeâ€“related microbiome reveals novel taxonomic landscapes and links phenotypic potential to individual genomes. International Microbiology, 2022, 25, 99-110.	2.4	4
21	Expression, purification, and characterization of a metagenomic thioesterase from activated sludge involved in the degradation of acylCoA-derivatives. Protein Expression and Purification, 2019, 159, 49-52.	1.3	3
22	Objections to the proposition of the new genera Protaetiibacter and Pseudolysinimonas. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 5163-5164.	1.7	2
23	Mitochondrial activity disruption and local muscle damage induced in mice by Scolopendra polymorpha venom. Journal of Venomous Animals and Toxins Including Tropical Diseases, 2020, 26, e20190079.	1.4	1
24	Draft Genome Sequence of Methanobacterium paludis IBT-C12, Recovered from Sediments of the Apatlaco River, Mexico. Microbiology Resource Announcements, 2022, , e0090621.	0.6	1
25	Metagenomics-Based Phylogeny and Phylogenomic. , 2020, , .		0
26	Mitochondrial activity disruption and local muscle damage induced in mice by Scolopendra polymorpha venom. Journal of Venomous Animals and Toxins Including Tropical Diseases, 0, 26, .	1.4	0
27	Deep-Sea Sediments from the Southern Gulf of Mexico Harbor a Wide Diversity of PKS I Genes. Antibiotics, 2022, 11, 887.	3.7	0