Ramn Alberto Batista-Garca

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

27 papers	297 citations	10 h-index	16 g-index
28 ext. papers	438 ext. citations	5.2 avg, IF	3.2 L-index

#	Paper	IF	Citations
27	The Atacama Desert: A Biodiversity Hotspot and Not Just a Mineral-Rich Region.. *Frontiers in Microbiology*, **2022**, 13, 812842	5.7	1
26	Surviving in the Brine: A Multi-Omics Approach for Understanding the Physiology of the Halophile Fungus at Saturated NaCl Concentration.. *Frontiers in Microbiology*, **2022**, 13, 840408	5.7	0
25	Transcriptomic analysis of polyaromatic hydrocarbon degradation by the halophilic fungus Aspergillus sydowii at hypersaline conditions. *Environmental Microbiology*, **2021**, 23, 3435-3459	5.2	13
24	Osmolyte Signatures for the Protection of Cells under Halophilic Conditions and Osmotic Shock. *Journal of Fungi (Basel, Switzerland)*, **2021**, 7,	5.6	1
23	ROS-Scavenging Enzymes as an Antioxidant Response to High Concentration of Anthracene in the Liverwort L. *Plants*, **2021**, 10,	4.5	2
22	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	9.3	6
21	Transcriptional profiling reveals conserved and species-specific plant defense responses during the interaction of Physcomitrium patens with Botrytis cinerea. *Plant Molecular Biology*, **2021**, 107, 365-385	4.6	3
20	Infection by : Understanding the Fungal-Bryophyte Interaction by Microscopy, Phenomics and RNA Sequencing. *Journal of Fungi (Basel, Switzerland)*, **2021**, 7,	5.6	1
19	Effects on Plants Colonized with P. Karst Strains Genetically Modified in , a Gene Coding for a Protein with Expansin-like Activity. *Plants*, **2021**, 10,	4.5	1
18	The Microbial Composition in Circumneutral Thermal Springs from Chignahuapan, Puebla, Mexico Reveals the Presence of Particular Sulfur-Oxidizing Bacterial and Viral Communities. *Microorganisms*, **2020**, 8,	4.9	2
17	sp. Strain SGH1, a Bacterioruberin-Rich, Perchlorate-Tolerant Halophilic Archaeon Isolated From Halite Microbial Communities, Atacama Desert, Chile. *Frontiers in Microbiology*, **2020**, 11, 324	5.7	10
16	Stress Reshapes the Physiological Response of Halophile Fungi to Salinity. *Cells*, **2020**, 9,	7.9	15
15	Transcriptome during the Infection Process of the Bryophyte and Angiosperms. *Journal of Fungi (Basel, Switzerland)*, **2020**, 7,	5.6	4
14	Exogenous Nitric Oxide Delays Plant Regeneration from Protoplast and Protonema Development in. *Plants*, **2020**, 9,	4.5	1
13	Haloadaptative Responses of to Extreme Water Deprivation: Morphology, Compatible Solutes, and Oxidative Stress at NaCl Saturation. *Journal of Fungi (Basel, Switzerland)*, **2020**, 6,	5.6	5
12	Aromatic Hydrocarbon Removal by Novel Extremotolerant and Spp. from an Oil Polluted Site in Mexico. *Journal of Fungi (Basel, Switzerland)*, **2020**, 6,	5.6	4
11	First demonstration that ascomycetous halophilic fungi (Aspergillus sydowii and Aspergillus destruens) are useful in xenobiotic mycoremediation under high salinity conditions. *Bioresource Technology*, **2019**, 279, 287-296	11	33

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10	Extremophile deep-sea viral communities from hydrothermal vents: Structural and functional analysis. *Marine Genomics*, **2019**, 46, 16-28	1.9	15
9	Intermediate-Salinity Systems at High Altitudes in the Peruvian Andes Unveil a High Diversity and Abundance of Bacteria and Viruses. *Genes*, **2019**, 10,	4.2	3
8	Metagenomics of Atacama Lithobiontic Extremophile Life Unveils Highlights on Fungal Communities, Biogeochemical Cycles and Carbohydrate-Active Enzymes. *Microorganisms*, **2019**, 7,	4.9	13
7	Schizophyllum commune: An unexploited source for lignocellulose degrading enzymes. *MicrobiologyOpen*, **2018**, 7, e00637	3.4	6
6	Simple screening protocol for identification of potential mycoremediation tools for the elimination of polycyclic aromatic hydrocarbons and phenols from hyperalkalophile industrial effluents. *Journal of Environmental Management*, **2017**, 198, 1-11	7.9	33
5	From lignocellulosic metagenomes to lignocellulolytic genes: trends, challenges and future prospects. *Biofuels, Bioproducts and Biorefining*, **2016**, 10, 864-882	5.3	30
4	Xenobiotic Compounds Degradation by Heterologous Expression of a Trametes sanguineus Laccase in Trichoderma atroviride. *PLoS ONE*, **2016**, 11, e0147997	3.7	40
3	Identification of a novel carbohydrate esterase from Bjerkandera adusta: structural and function predictions through bioinformatics analysis and molecular modeling. *Proteins: Structure, Function and Bioinformatics*, **2015**, 83, 533-46	4.2	6
2	A novel expansin protein from the white-rot fungus Schizophyllum commune. *PLoS ONE*, **2015**, 10, e0122296	3.7	27
1	Characterization of lignocellulolytic activities from a moderate halophile strain of Aspergillus caesiellus isolated from a sugarcane bagasse fermentation. *PLoS ONE*, **2014**, 9, e105893	3.7	22