Sergio Casas-Flores

List of Publications by Year
in descending order

47 papers	2,410 citations	361296 20 h-index	265120 42 g-index
48 all docs	48 docs citations	48 times ranked	2506 citing authors

#	Article	IF	Citations
1	Comparative genome sequence analysis underscores mycoparasitism as the ancestral life style of Trichoderma. Genome Biology, 2011, 12, R40.	3.8	594
2	Colonization of Arabidopsis roots by Trichoderma atroviride promotes growth and enhances systemic disease resistance through jasmonic acid/ethylene and salicylic acid pathways. European Journal of Plant Pathology, 2011, 131, 15-26.	0.8	231
3	The Genomes of Three Uneven Siblings: Footprints of the Lifestyles of Three Trichoderma Species. Microbiology and Molecular Biology Reviews, 2016, 80, 205-327.	2.9	194
4	BLR-1 and BLR-2, key regulatory elements of photoconidiation and mycelial growth in Trichoderma atroviride. Microbiology (United Kingdom), 2004, 150, 3561-3569.	0.7	163
5	Cross Talk between a Fungal Blue-Light Perception System and the Cyclic AMP Signaling Pathway. Eukaryotic Cell, 2006, 5, 499-506.	3.4	108
6	The Epl1 and Sm1 proteins from Trichoderma atroviride and Trichoderma virens differentially modulate systemic disease resistance against different life style pathogens in Solanum lycopersicum. Frontiers in Plant Science, 2015, 6, 77.	1.7	93
7	Role of the 4-Phosphopantetheinyl Transferase of <i>Trichoderma virens</i> in Secondary Metabolism and Induction of Plant Defense Responses. Molecular Plant-Microbe Interactions, 2011, 24, 1459-1471.	1.4	89
8	Trichoderma as a Model to Study Effector-Like Molecules. Frontiers in Microbiology, 2019, 10, 1030.	1.5	86
9	Mango (Mangifera indica L.) cv. Kent fruit mesocarp de novo transcriptome assembly identifies gene families important for ripening. Frontiers in Plant Science, 2015, 6, 62.	1.7	76
10	Novel light-regulated genes in Trichoderma atroviride: a dissection by cDNA microarrays. Microbiology (United Kingdom), 2006, 152, 3305-3317.	0.7	74
11	The Plant Growth-Promoting Fungus Aspergillus ustus Promotes Growth and Induces Resistance Against Different Lifestyle Pathogens in Arabidopsis thaliana. Journal of Microbiology and Biotechnology, 2011, 21, 686-696.	0.9	64
12	<i>Trichoderma</i> Histone Deacetylase HDA-2 Modulates Multiple Responses in Arabidopsis. Plant Physiology, 2019, 179, 1343-1361.	2.3	50
13	Humic Substances Mediate Anaerobic Methane Oxidation Linked to Nitrous Oxide Reduction in Wetland Sediments. Frontiers in Microbiology, 2020, 11, 587.	1.5	50
14	Antifungal Nanocomposites Inspired by Titanate Nanotubes for Complete Inactivation of <i>Botrytis cinerea</i> Isolated from Tomato Infection. ACS Applied Materials & Interfaces, 2016, 8, 31625-31637.	4.0	41
15	Molecular Mechanisms of Biocontrol in Trichoderma spp. and Their Applications in Agriculture. , 2014, , 429-453.		38
16	Genome-Wide Identification of Mango (Mangifera indica L.) Polygalacturonases: Expression Analysis of Family Members and Total Enzyme Activity During Fruit Ripening. Frontiers in Plant Science, 2019, 10, 969.	1.7	34
17	Performance of innovative PU-foam and natural fiber-based composites for the biofiltration of a mixture of volatile organic compounds by a fungal biofilm. Journal of Hazardous Materials, 2012, 201-202, 202-208.	6.5	32
18	New roles for CDC25 in growth control, galactose regulation and cellular differentiation in Saccharomyces cerevisiae. Microbiology (United Kingdom), 2004, 150, 2865-2879.	0.7	30

#	ARTICLE	IF	CITATIONS
19	The separation between the 5â€²-3â€² ends in long RNA molecules is short and nearly constant. Nucleic Acids Research, 2014, 42, 13963-13968.	6.5	30
20	The Small GTPases in Fungal Signaling Conservation and Function. Cells, 2021, 10, 1039.	1.8	29
21	Mesocarp RNA-Seq analysis of mango (Mangifera indica L.) identify quarantine postharvest treatment effects on gene expression. Scientia Horticulturae, 2018, 227, 146-153.	1.7	25
22	Histone Deacetylase HDA-2 Regulates Trichoderma atroviride Growth, Conidiation, Blue Light Perception, and Oxidative Stress Responses. Applied and Environmental Microbiology, 2017, 83, .	1.4	22
23	Generation of Sporothrix schenckii mutants expressing the green fluorescent protein suitable for the study of host-fungus interactions. Fungal Biology, 2018, 122, 1023-1030.	1.1	21
24	Thermophile mats of microalgae growing on the woody structure of a cooling tower of a thermoelectric power plant in Central Mexico. Revista Mexicana De Biodiversidad, 2016, 87, 277-287.	0.4	20
25	Silencing of OCH1 unveils the role of Sporothrix schenckii N-linked glycans during the host–fungus interaction. Infection and Drug Resistance, 2019, Volume 12, 67-85.	1.1	20
26	Histone acetyltransferase TGF-1 regulates Trichoderma atroviride secondary metabolism and mycoparasitism. PLoS ONE, 2018, 13, e0193872.	1.1	19
27	TBRG-1 a Ras-like protein in Trichoderma virens involved in conidiation, development, secondary metabolism, mycoparasitism, and biocontrol unveils a new family of Ras-GTPases. Fungal Genetics and Biology, 2020, 136, 103292.	0.9	19
28	Three Decades of Fungal Transformation: Novel Technologies. , 2004, 267, 315-326.		18
29	Performance and Bacterial Population Composition of an n-Hexane Degrading Biofilter Working Under Fluctuating Conditions. Applied Biochemistry and Biotechnology, 2014, 174, 832-844.	1.4	15
30	The small RNAâ€mediated gene silencing machinery is required in Arabidopsis for stimulation of growth, systemic disease resistance, and suppression of the nitrileâ€specifier gene <i>NSP4</i> by <i>Trichoderma atroviride</i>. Plant Journal, 2022, 109, 873-890.	2.8	13
31	Community of thermoacidophilic and arsenic resistant microorganisms isolated from a deep profile of mine heaps. AMB Express, 2015, 5, 132.	1.4	12
32	Photo-assisted inactivation of Escherichia coli bacteria by silver functionalized titanate nanotubes, Ag/H2Ti2O5Â·H2O. Photochemical and Photobiological Sciences, 2017, 16, 854-860.	1.6	12
33	Secretome Analysis of Arabidopsisâ€"Trichoderma atroviride Interaction Unveils New Roles for the Plant Glutamate:Glyoxylate Aminotransferase GGAT1 in Plant Growth Induced by the Fungus and Resistance against Botrytis cinerea. International Journal of Molecular Sciences, 2021, 22, 6804.	1.8	12
34	The <i><scp>T</scp>richodermaÂatroviride</i> photolyaseâ€encoding gene is transcriptionally regulated by nonâ€canonical light response elements. FEBS Journal, 2013, 280, 3697-3708.	2.2	11
35	Automated, continuous video microscopy tracking of hyphal growth. Fungal Genetics and Biology, 2019, 123, 25-32.	0.9	11
36	IPA-1 a Putative Chromatin Remodeler/Helicase-Related Protein of <i>Trichoderma virens</i> Plays Important Roles in Antibiosis Against <i>Rhizoctonia solani</i> and Induction of <i>Arabidopsis</i> Systemic Disease Resistance. Molecular Plant-Microbe Interactions, 2020, 33, 808-824.	1.4	10

#	Article	IF	Citations
37	Light induces oxidative damage and protein stability in the fungal photoreceptor Vivid. PLoS ONE, 2018, 13, e0201028.	1.1	9
38	3 The Bright and Dark Sides of Fungal Life. , 2016, , 41-77.		8
39	Microbial contamination in methanol biofilters inoculated with a pure strain of <i>Pichia pastoris</i>: A potential limitation for waste revalorization. Biotechnology Progress, 2019, 35, e2715.	1.3	5
40	Actividad de dos hongos entomopatÃ³genos, identificados molecularmente, sobre Bactericera cockerelli. Revista Colombiana De Entomologia, 2017, 43, 27.	0.1	5
41	Differential distribution of transcripts from genes involved in polyamine biosynthesis in bean plants. Biologia Plantarum, 2006, 50, 551-558.	1.9	4
42	Unraveling the photoactive annihilation mechanism of nanostructures as effective green tools for inhibiting the proliferation of the phytopathogenic bacteriumPseudomonas syringae. Nanoscale Advances, 2019, 1, 2258-2267.	2.2	4
43	Trichoderma in the rhizosphere. , 2020, , 3-38.		4
44	Characterization of the trypsin-III from Monterey sardine (Sardinops caeruleus): Insights on the cold-adaptation from the A236N mutant. International Journal of Biological Macromolecules, 2020, 164, 2701-2710.	3.6	2
45	Molecular modeling and expression analysis of a MADS-box cDNA from mango (Mangifera indica L.). 3 Biotech, 2014, 4, 357-365.	1.1	1
46	13 Nematophagous Fungi. , 2016, , 247-267.		1
47	Analysis of bacterial communities of infected primary teeth in a Mexican population. Medicina Oral, Patologia Oral Y Cirugia Bucal, 2020, 25, e668-e674.	0.7	0