

# Sergio Casas-Flores

## List of Publications by Year in descending order

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Version: 2024-02-01

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	The small RNA-mediated gene silencing machinery is required in Arabidopsis for stimulation of growth, systemic disease resistance, and suppression of the nitrile-specific gene <i>NSP4</i> by <i>Trichoderma atroviride</i> . <i>Plant Journal</i> , 2022, 109, 873-890.	2.8	13
2	The Small GTPases in Fungal Signaling Conservation and Function. <i>Cells</i> , 2021, 10, 1039.	1.8	29
3	Secretome Analysis of Arabidopsis- <i>Trichoderma atroviride</i> Interaction Unveils New Roles for the Plant Glutamate:Glyoxylate Aminotransferase GGAT1 in Plant Growth Induced by the Fungus and Resistance against <i>Botrytis cinerea</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 6804.	1.8	12
4	TBRG-1 a Ras-like protein in <i>Trichoderma virens</i> involved in conidiation, development, secondary metabolism, mycoparasitism, and biocontrol unveils a new family of Ras-GTPases. <i>Fungal Genetics and Biology</i> , 2020, 136, 103292.	0.9	19
5	Characterization of the trypsin-III from Monterey sardine ( <i>Sardinops caeruleus</i> ): Insights on the cold-adaptation from the A236N mutant. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 2701-2710.	3.6	2
6	<i>Trichoderma</i> in the rhizosphere. , 2020, , 3-38.		4
7	Humic Substances Mediate Anaerobic Methane Oxidation Linked to Nitrous Oxide Reduction in Wetland Sediments. <i>Frontiers in Microbiology</i> , 2020, 11, 587.	1.5	50
8	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. <i>Molecular Plant-Microbe Interactions</i> , 2020, 33, 808-824.	1.4	10
9	Analysis of bacterial communities of infected primary teeth in a Mexican population. <i>Medicina Oral, Patología Oral Y Cirugía Bucal</i> , 2020, 25, e668-e674.	0.7	0
10	Silencing of <i>OCH1</i> unveils the role of <i>Sporothrix schenckii</i> -linked glycans during the host-fungus interaction. <i>Infection and Drug Resistance</i> , 2019, Volume 12, 67-85.	1.1	20
11	Genome-Wide Identification of Mango ( <i>Mangifera indica</i> L.) Polygalacturonases: Expression Analysis of Family Members and Total Enzyme Activity During Fruit Ripening. <i>Frontiers in Plant Science</i> , 2019, 10, 969.	1.7	34
12	Unraveling the photoactive annihilation mechanism of nanostructures as effective green tools for inhibiting the proliferation of the phytopathogenic bacterium <i>Pseudomonas syringae</i> . <i>Nanoscale Advances</i> , 2019, 1, 2258-2267.	2.2	4
13	<i>Trichoderma</i> Histone Deacetylase HDA-2 Modulates Multiple Responses in Arabidopsis. <i>Plant Physiology</i> , 2019, 179, 1343-1361.	2.3	50
14	<i>Trichoderma</i> as a Model to Study Effector-Like Molecules. <i>Frontiers in Microbiology</i> , 2019, 10, 1030.	1.5	86
15	Microbial contamination in methanol biofilters inoculated with a pure strain of <i>Pichia pastoris</i> : A potential limitation for waste revalorization. <i>Biotechnology Progress</i> , 2019, 35, e2715.	1.3	5
16	Automated, continuous video microscopy tracking of hyphal growth. <i>Fungal Genetics and Biology</i> , 2019, 123, 25-32.	0.9	11
17	Mesocarp RNA-Seq analysis of mango ( <i>Mangifera indica</i> L.) identify quarantine postharvest treatment effects on gene expression. <i>Scientia Horticulturae</i> , 2018, 227, 146-153.	1.7	25
18	Generation of <i>Sporothrix schenckii</i> mutants expressing the green fluorescent protein suitable for the study of host-fungus interactions. <i>Fungal Biology</i> , 2018, 122, 1023-1030.	1.1	21

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19	Light induces oxidative damage and protein stability in the fungal photoreceptor Vivid. PLoS ONE, 2018, 13, e0201028.	1.1	9
20	Histone acetyltransferase TGF-1 regulates <i>Trichoderma atroviride</i> secondary metabolism and mycoparasitism. PLoS ONE, 2018, 13, e0193872.	1.1	19
21	Photo-assisted inactivation of <i>Escherichia coli</i> bacteria by silver functionalized titanate nanotubes, Ag/H <sub>2</sub> Ti <sub>2</sub> O <sub>5</sub> ·H <sub>2</sub> O. Photochemical and Photobiological Sciences, 2017, 16, 854-860.	1.6	12
22	Histone Deacetylase HDA-2 Regulates <i>Trichoderma atroviride</i> Growth, Conidiation, Blue Light Perception, and Oxidative Stress Responses. Applied and Environmental Microbiology, 2017, 83, .	1.4	22
23	Actividad de dos hongos entomopatogénicos, identificados molecularmente, sobre <i>Bactericera cockerelli</i> . Revista Colombiana De Entomología, 2017, 43, 27.	0.1	5
24	13 Nematophagous Fungi. , 2016, , 247-267.		1
25	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
26	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
27	3 The Bright and Dark Sides of Fungal Life. , 2016, , 41-77.		8
28	The Genomes of Three Uneven Siblings: Footprints of the Lifestyles of Three <i>Trichoderma</i> Species. Microbiology and Molecular Biology Reviews, 2016, 80, 205-327.	2.9	194
29	Community of thermoacidophilic and arsenic resistant microorganisms isolated from a deep profile of mine heaps. AMB Express, 2015, 5, 132.	1.4	12
30	The Epl1 and Sm1 proteins from <i>Trichoderma atroviride</i> and <i>Trichoderma virens</i> differentially modulate systemic disease resistance against different life style pathogens in <i>Solanum lycopersicum</i> . Frontiers in Plant Science, 2015, 6, 77.	1.7	93
31	Mango ( <i>Mangifera indica</i> 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
32	The separation between the 5' and 3' ends in long RNA molecules is short and nearly constant. Nucleic Acids Research, 2014, 42, 13963-13968.	6.5	30
33	Molecular modeling and expression analysis of a MADS-box cDNA from mango ( <i>Mangifera indica</i> L.). 3 Biotech, 2014, 4, 357-365.	1.1	1
34	Molecular Mechanisms of Biocontrol in <i>Trichoderma</i> spp. and Their Applications in Agriculture. , 2014, , 429-453.		38
35	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
36	The <i>Trichoderma atroviride</i> photolyase encoding gene is transcriptionally regulated by non-canonical light response elements. FEBS Journal, 2013, 280, 3697-3708.	2.2	11

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37	Performance of innovative PU-foam and natural fiber-based composites for the biofiltration of a mixture of volatile organic compounds by a fungal biofilm. <i>Journal of Hazardous Materials</i> , 2012, 201-202, 202-208.	6.5	32
38	Role of the 4-Phosphopantetheinyl Transferase of <i>Trichoderma virens</i> in Secondary Metabolism and Induction of Plant Defense Responses. <i>Molecular Plant-Microbe Interactions</i> , 2011, 24, 1459-1471.	1.4	89
39	Comparative genome sequence analysis underscores mycoparasitism as the ancestral life style of <i>Trichoderma</i> . <i>Genome Biology</i> , 2011, 12, R40.	3.8	594
40	Colonization of <i>Arabidopsis</i> roots by <i>Trichoderma atroviride</i> promotes growth and enhances systemic disease resistance through jasmonic acid/ethylene and salicylic acid pathways. <i>European Journal of Plant Pathology</i> , 2011, 131, 15-26.	0.8	231
41	The Plant Growth-Promoting Fungus <i>Aspergillus ustus</i> Promotes Growth and Induces Resistance Against Different Lifestyle Pathogens in <i>Arabidopsis thaliana</i> . <i>Journal of Microbiology and Biotechnology</i> , 2011, 21, 686-696.	0.9	64
42	Differential distribution of transcripts from genes involved in polyamine biosynthesis in bean plants. <i>Biologia Plantarum</i> , 2006, 50, 551-558.	1.9	4
43	Cross Talk between a Fungal Blue-Light Perception System and the Cyclic AMP Signaling Pathway. <i>Eukaryotic Cell</i> , 2006, 5, 499-506.	3.4	108
44	Novel light-regulated genes in <i>Trichoderma atroviride</i> : a dissection by cDNA microarrays. <i>Microbiology (United Kingdom)</i> , 2006, 152, 3305-3317.	0.7	74
45	New roles for CDC25 in growth control, galactose regulation and cellular differentiation in <i>Saccharomyces cerevisiae</i> . <i>Microbiology (United Kingdom)</i> , 2004, 150, 2865-2879.	0.7	30
46	BLR-1 and BLR-2, key regulatory elements of photoconidiation and mycelial growth in <i>Trichoderma atroviride</i> . <i>Microbiology (United Kingdom)</i> , 2004, 150, 3561-3569.	0.7	163
47	Three Decades of Fungal Transformation: Novel Technologies. , 2004, 267, 315-326.		18