Federico Lopez-Moya

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9294903/publications.pdf

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23	712	687220	713332
papers	citations	13 h-index	21 g-index

28	28	28	655
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular Mechanisms of Chitosan Interactions with Fungi and Plants. International Journal of Molecular Sciences, 2019, 20, 332.	1.8	157
2	Chitosan Increases Tomato Root Colonization by Pochonia chlamydosporia and Their Combination Reduces Root-Knot Nematode Damage. Frontiers in Plant Science, 2017, 8, 1415.	1.7	64
3	Induction of auxin biosynthesis and WOX5 repression mediate changes in root development in Arabidopsis exposed to chitosan. Scientific Reports, 2017, 7, 16813.	1.6	61
4	Chitosan enhances parasitism of Meloidogyne javanica eggs by the nematophagous fungus Pochonia chlamydosporia. Fungal Biology, 2016, 120, 572-585.	1.1	51
5	Some isolates of the nematophagous fungus Pochonia chlamydosporia promote root growth and reduce flowering time of tomato. Annals of Applied Biology, 2015, 166, 472-483.	1.3	50
6	Chitosan Induces Plant Hormones and Defenses in Tomato Root Exudates. Frontiers in Plant Science, 2020, 11, 572087.	1.7	50
7	Carbon and nitrogen limitation increase chitosan antifungal activity in Neurospora crassa and fungal human pathogens. Fungal Biology, 2015, 119, 154-169.	1.1	41
8	Volatile Organic Compounds from Entomopathogenic and Nematophagous Fungi, Repel Banana Black Weevil (Cosmopolites sordidus). Insects, 2020, 11, 509.	1.0	35
9	Neurospora crassa transcriptomics reveals oxidative stress and plasma membrane homeostasis biology genes as key targets in response to chitosan. Molecular BioSystems, 2016, 12, 391-403.	2.9	30
10	Omics for Investigating Chitosan as an Antifungal and Gene Modulator. Journal of Fungi (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	1.5	25
11	Cell wall composition plays a key role on sensitivity of filamentous fungi to chitosan. Journal of Basic Microbiology, 2016, 56, 1059-1070.	1.8	23
12	Chitosan inhibits septinâ€mediated plant infection by the rice blast fungus Magnaporthe oryzae in a protein kinase C and Nox1 NADPH oxidaseâ€dependent manner. New Phytologist, 2021, 230, 1578-1593.	3.5	21
13	Genome and secretome analysis of Pochonia chlamydosporia provide new insight into egg-parasitic mechanisms. Scientific Reports, 2018, 8, 1123.	1.6	20
14	Tolerance to chitosan by Trichoderma species is associated with low membrane fluidity. Journal of Basic Microbiology, 2016, 56, 792-800.	1.8	11
15	Strain Degeneration in Pleurotus ostreatus: A Genotype Dependent Oxidative Stress Process Which Triggers Oxidative Stress, Cellular Detoxifying and Cell Wall Reshaping Genes. Journal of Fungi (Basel,) Tj ETQq1 1 0.784314 rgBT /Ov	1.8	
16	Chitosan modulates Pochonia chlamydosporia gene expression during nematode egg parasitism. Environmental Microbiology, 2021, 23, 4980-4997.	1.8	10
17	Putative LysM Effectors Contribute to Fungal Lifestyle. International Journal of Molecular Sciences, 2021, 22, 3147.	1.8	10
18	Isolates of the Nematophagous Fungus Pochonia chlamydosporia Are Endophytic in Banana Roots and Promote Plant Growth. Agronomy, 2020, 10, 1299.	1.3	9

#	Article	IF	Citations
19	Pochonia chlamydosporia: Multitrophic Lifestyles Explained by a Versatile Genome. , 2017, , 197-207.		7
20	Multidisciplinary Analysis of Cystoseira sensu lato (SE Spain) Suggest a Complex Colonization of the Mediterranean. Journal of Marine Science and Engineering, 2020, 8, 961.	1.2	6
21	Chitosan induces differential transcript usage of chitosanase 3 encoding gene (csn3) in the biocontrol fungus Pochonia chlamydosporia 123. BMC Genomics, 2022, 23, 101.	1.2	3
22	Detection of Haplosporidium pinnae from Pinna nobilis Faeces. Journal of Marine Science and Engineering, 2022, 10, 276.	1.2	2
23	Chitosan Biosynthesis and Degradation: A Way to Modulate Plant Defenses in Endophytic Biocontrol Agents?. Progress in Biological Control, 2020, , 109-125.	0.5	0