Federico Lopez-Moya

List of Publications by Citations

24 papers	368 citations	11 h-index	19 g-index
28 ext. papers	534 ext. citations	4.2 avg, IF	3.81 L-index

#	Paper	IF	Citations
24	Molecular Mechanisms of Chitosan Interactions with Fungi and Plants. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	66
23	Chitosan Increases Tomato Root Colonization by and Their Combination Reduces Root-Knot Nematode Damage. *Frontiers in Plant Science*, **2017**, 8, 1415	6.2	41
22	Chitosan enhances parasitism of Meloidogyne javanica eggs by the nematophagous fungus Pochonia chlamydosporia. *Fungal Biology*, **2016**, 120, 572-585	2.8	38
21	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	2.6	37
20	Induction of auxin biosynthesis and WOX5 repression mediate changes in root development in Arabidopsis exposed to chitosan. *Scientific Reports*, **2017**, 7, 16813	4.9	31
19	Carbon and nitrogen limitation increase chitosan antifungal activity in Neurospora crassa and fungal human pathogens. *Fungal Biology*, **2015**, 119, 154-69	2.8	30
18	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		21
17	for Investigating Chitosan as an Antifungal and Gene Modulator. *Journal of Fungi (Basel, Switzerland)*, **2016**, 2,	5.6	19
16	Cell wall composition plays a key role on sensitivity of filamentous fungi to chitosan. *Journal of Basic Microbiology*, **2016**, 56, 1059-1070	2.7	18
15	Chitosan Induces Plant Hormones and Defenses in Tomato Root Exudates. *Frontiers in Plant Science* , **2020**, 11, 572087	6.2	17
14	Genome and secretome analysis of Pochonia chlamydosporia provide new insight into egg-parasitic mechanisms. *Scientific Reports*, **2018**, 8, 1123	4.9	12
13	Volatile Organic Compounds from Entomopathogenic and Nematophagous Fungi, Repel Banana Black Weevil (). *Insects*, **2020**, 11,	2.8	8
12	Tolerance to chitosan by Trichoderma species is associated with low membrane fluidity. *Journal of Basic Microbiology*, **2016**, 56, 792-800	2.7	7
11	Chitosan modulates Pochonia chlamydosporia gene expression during nematode egg parasitism. *Environmental Microbiology*, **2021**, 23, 4980-4997	5.2	5
10	Isolates of the Nematophagous Fungus Pochonia chlamydosporia Are Endophytic in Banana Roots and Promote Plant Growth. *Agronomy*, **2020**, 10, 1299	3.6	4
9	Volatile organic compounds from entomopathogenic and nematophagous fungi, repel banana black weevil (Cosmopolites sordidus)		3
8	Multidisciplinary Analysis of Cystoseira sensu lato (SE Spain) Suggest a Complex Colonization of the Mediterranean. *Journal of Marine Science and Engineering*, **2020**, 8, 961	2.4	3

List of Publications

7	Chitosan inhibits septin-mediated plant infection by the rice blast fungus Magnaporthe oryzae in a protein kinase C and Nox1 NADPH oxidase-dependent manner. *New Phytologist*, **2021**, 230, 1578-1593	9.8	3
6	Pochonia chlamydosporia: Multitrophic Lifestyles Explained by a Versatile Genome **2017**, 197-207		2
5	Chitosan inhibits septin-mediated plant infection by the rice blast fungusMagnaporthe oryzaein a Protein Kinase C and Nox1 NADPH oxidase-dependent manner		1
4	Chitosan induces plant hormones and defences in tomato root exudates		1
3	Detection of Haplosporidium pinnae from Pinna nobilis Faeces. *Journal of Marine Science and Engineering*, **2022**, 10, 276	2.4	1
2	Chitosan induces differential transcript usage of chitosanase 3 encoding gene (csn3) in the biocontrol fungus Pochonia chlamydosporia 123.. *BMC Genomics*, **2022**, 23, 101	4.5	0
1	Chitosan Biosynthesis and Degradation: A Way to Modulate Plant Defenses in Endophytic Biocontrol Agents?. *Progress in Biological Control*, **2020**, 109-125	0.6	