

# Luis Vicente Lopez-Llorca

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/9283624/luis-vicente-lopez-llorca-publications-by-year.pdf>

**Version:** 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

76  
papers

2,753  
citations

30  
h-index

51  
g-index

81  
ext. papers

3,258  
ext. citations

4  
avg, IF

4.99  
L-index

#	Paper	IF	Citations
76	Chitosan induces differential transcript usage of chitosanase 3 encoding gene (csn3) in the biocontrol fungus <i>Pochonia chlamydosporia</i> 123.. <i>BMC Genomics</i> , <b>2022</b> , 23, 101	4.5	0
75	Detection of <i>Haplosporidium pinnae</i> from <i>Pinna nobilis</i> Faeces. <i>Journal of Marine Science and Engineering</i> , <b>2022</b> , 10, 276	2.4	1
74	Chitosan modulates <i>Pochonia chlamydosporia</i> gene expression during nematode egg parasitism. <i>Environmental Microbiology</i> , <b>2021</b> , 23, 4980-4997	5.2	5
73	Chitosan inhibits septin-mediated plant infection by the rice blast fungus <i>Magnaporthe oryzae</i> in a protein kinase C and Nox1 NADPH oxidase-dependent manner. <i>New Phytologist</i> , <b>2021</b> , 230, 1578-1593	9.8	3
72	Chitosan Induces Plant Hormones and Defenses in Tomato Root Exudates. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 572087	6.2	17
71	Chitosan Biosynthesis and Degradation: A Way to Modulate Plant Defenses in Endophytic Biocontrol Agents?. <i>Progress in Biological Control</i> , <b>2020</b> , 109-125	0.6	
70	Isolates of the Nematophagous Fungus <i>Pochonia chlamydosporia</i> Are Endophytic in Banana Roots and Promote Plant Growth. <i>Agronomy</i> , <b>2020</b> , 10, 1299	3.6	4
69	Volatile Organic Compounds from Entomopathogenic and Nematophagous Fungi, Repel Banana Black Weevil (). <i>Insects</i> , <b>2020</b> , 11,	2.8	8
68	Multidisciplinary Analysis of <i>Cystoseira</i> sensu lato (SE Spain) Suggest a Complex Colonization of the Mediterranean. <i>Journal of Marine Science and Engineering</i> , <b>2020</b> , 8, 961	2.4	3
67	Molecular Mechanisms of Chitosan Interactions with Fungi and Plants. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	66
66	Expression and specificity of a chitin deacetylase from the nematophagous fungus <i>Pochonia chlamydosporia</i> potentially involved in pathogenicity. <i>Scientific Reports</i> , <b>2018</b> , 8, 2170	4.9	19
65	Genome and secretome analysis of <i>Pochonia chlamydosporia</i> provide new insight into egg-parasitic mechanisms. <i>Scientific Reports</i> , <b>2018</b> , 8, 1123	4.9	12
64	Endophytic fungi associated with roots of date palm ( <i>Phoenix dactylifera</i> ) in coastal dunes. <i>Revista Iberoamericana De Micologia</i> , <b>2017</b> , 34, 116-120	1.6	12
63	Introduction (Historical and Overview) <b>2017</b> , 3-19		1
62	Metabolomics <b>2017</b> , 169-181		
61	Ethanol production from chitosan by the nematophagous fungus <i>Pochonia chlamydosporia</i> and the entomopathogenic fungi <i>Metarhizium anisopliae</i> and <i>Beauveria bassiana</i> . <i>Microbiological Research</i> , <b>2017</b> , 204, 30-39	5.3	11
60	Induction of auxin biosynthesis and WOX5 repression mediate changes in root development in <i>Arabidopsis</i> exposed to chitosan. <i>Scientific Reports</i> , <b>2017</b> , 7, 16813	4.9	31

59	Arabidopsis thaliana root colonization by the nematophagous fungus Pochonia chlamydosporia is modulated by jasmonate signaling and leads to accelerated flowering and improved yield. <i>New Phytologist</i> , <b>2017</b> , 213, 351-364	9.8	38
58	Chitosan Increases Tomato Root Colonization by and Their Combination Reduces Root-Knot Nematode Damage. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 1415	6.2	41
57	Pochonia chlamydosporia: Multitrophic Lifestyles Explained by a Versatile Genome <b>2017</b> , 197-207		2
56	Chitosan enhances parasitism of Meloidogyne javanica eggs by the nematophagous fungus Pochonia chlamydosporia. <i>Fungal Biology</i> , <b>2016</b> , 120, 572-585	2.8	38
55	Neurospora crassa transcriptomics reveals oxidative stress and plasma membrane homeostasis biology genes as key targets in response to chitosan. <i>Molecular BioSystems</i> , <b>2016</b> , 12, 391-403		21
54	for Investigating Chitosan as an Antifungal and Gene Modulator. <i>Journal of Fungi (Basel, Switzerland)</i> , <b>2016</b> , 2,	5.6	19
53	Tolerance to chitosan by Trichoderma species is associated with low membrane fluidity. <i>Journal of Basic Microbiology</i> , <b>2016</b> , 56, 792-800	2.7	7
52	Cell wall composition plays a key role on sensitivity of filamentous fungi to chitosan. <i>Journal of Basic Microbiology</i> , <b>2016</b> , 56, 1059-1070	2.7	18
51	CAZyme content of Pochonia chlamydosporia reflects that chitin and chitosan modification are involved in nematode parasitism. <i>Environmental Microbiology</i> , <b>2016</b> , 18, 4200-4215	5.2	26
50	Identification of Acremonium isolates from grapevines and evaluation of their antagonism towards Plasmopara viticola. <i>Annals of Microbiology</i> , <b>2015</b> , 65, 2393-2403	3.2	13
49	Acoustic Assessment of Beauveria bassiana (Hypocreales: Clavicipitaceae) Effects on Rhynchophorus ferrugineus (Coleoptera: Dryophthoridae) Larval Activity and Mortality. <i>Journal of Economic Entomology</i> , <b>2015</b> , 108, 444-53	2.2	23
48	Some isolates of the nematophagous fungus Pochonia chlamydosporia promote root growth and reduce flowering time of tomato. <i>Annals of Applied Biology</i> , <b>2015</b> , 166, 472-483	2.6	37
47	Endophytic colonization of barley (Hordeum vulgare) roots by the nematophagous fungus Pochonia chlamydosporia reveals plant growth promotion and a general defense and stress transcriptomic response. <i>Journal of Plant Research</i> , <b>2015</b> , 128, 665-78	2.6	54
46	Carbon and nitrogen limitation increase chitosan antifungal activity in Neurospora crassa and fungal human pathogens. <i>Fungal Biology</i> , <b>2015</b> , 119, 154-69	2.8	30
45	A PCR based method to detect Russula spp. in soil samples and Limodorum abortivum roots in Mediterranean environments. <i>Forest Systems</i> , <b>2015</b> , 24, 019	0.9	
44	Sequencing and functional analysis of the genome of a nematode egg-parasitic fungus, Pochonia chlamydosporia. <i>Fungal Genetics and Biology</i> , <b>2014</b> , 65, 69-80	3.9	81
43	Effects on plant growth and root-knot nematode infection of an endophytic GFP transformant of the nematophagous fungus Pochonia chlamydosporia. <i>Symbiosis</i> , <b>2012</b> , 57, 33-42	3	64
42	Gene cloning, molecular modeling, and phylogenetics of serine protease P32 and serine carboxypeptidase SCP1 from nematophagous fungi Pochonia rubescens and Pochonia chlamydosporia. <i>Canadian Journal of Microbiology</i> , <b>2012</b> , 58, 815-27	3.2	20

41	Fungal assemblages associated with roots of halophytic and non-halophytic plant species vary differentially along a salinity gradient. <i>Microbial Ecology</i> , <b>2012</b> , 64, 668-79	4.4	51
40	Identification of yeast genes that confer resistance to chitosan oligosaccharide (COS) using chemogenomics. <i>BMC Genomics</i> , <b>2012</b> , 13, 267	4.5	35
39	New Initiatives for Management of Red Palm Weevil Threats to Historical Arabian Date Palms*. <i>Florida Entomologist</i> , <b>2011</b> , 94, 733-736	1	20
38	New Insights on the Mode of Action of Fungal Pathogens of Invertebrates for Improving Their Biocontrol Performance <b>2011</b> , 203-225		0
37	Membrane fluidity determines sensitivity of filamentous fungi to chitosan. <i>Molecular Microbiology</i> , <b>2010</b> , 75, 1021-32	4.1	138
36	Expression of serine proteases in egg-parasitic nematophagous fungi during barley root colonization. <i>Fungal Genetics and Biology</i> , <b>2010</b> , 47, 342-51	3.9	47
35	Infection of the red palm weevil ( <i>Rhynchophorus ferrugineus</i> ) by the entomopathogenic fungus <i>Beauveria bassiana</i> : a SEM study. <i>Microscopy Research and Technique</i> , <b>2010</b> , 73, 714-25	2.8	39
34	Chitosan increases conidiation in fungal pathogens of invertebrates. <i>Applied Microbiology and Biotechnology</i> , <b>2010</b> , 87, 2237-45	5.7	8
33	Comparative analysis of extracellular proteins from <i>Pochonia chlamydosporia</i> grown with chitosan or chitin as main carbon and nitrogen sources. <i>Enzyme and Microbial Technology</i> , <b>2010</b> , 46, 568-574	3.8	25
32	Assessing fungal root colonization for plant improvement. <i>Plant Signaling and Behavior</i> , <b>2009</b> , 4, 445-7	2.5	6
31	Proteomic analysis of date palm ( <i>Phoenix dactylifera</i> L.) responses to endophytic colonization by entomopathogenic fungi. <i>Electrophoresis</i> , <b>2009</b> , 30, 2996-3005	3.6	84
30	Colonisation of barley roots by endophytic <i>Fusarium equiseti</i> and <i>Pochonia chlamydosporia</i> : Effects on plant growth and disease. <i>Annals of Applied Biology</i> , <b>2009</b> , 155, 391-401	2.6	91
29	Real-time PCR quantification and live-cell imaging of endophytic colonization of barley ( <i>Hordeum vulgare</i> ) roots by <i>Fusarium equiseti</i> and <i>Pochonia chlamydosporia</i> . <i>New Phytologist</i> , <b>2009</b> , 182, 213-228	9.8	96
28	Chitosan permeabilizes the plasma membrane and kills cells of <i>Neurospora crassa</i> in an energy dependent manner. <i>Fungal Genetics and Biology</i> , <b>2009</b> , 46, 585-94	3.9	107
27	Colonization of barley roots by endophytic fungi and their reduction of take-all caused by <i>Gaeumannomyces graminis</i> var. <i>tritici</i> . <i>Canadian Journal of Microbiology</i> , <b>2008</b> , 54, 600-9	3.2	50
26	Effect of chitosan on hyphal growth and spore germination of plant pathogenic and biocontrol fungi. <i>Journal of Applied Microbiology</i> , <b>2008</b> , 104, 541-53	4.7	101
25	Protein extraction from <i>Phoenix dactylifera</i> L. leaves, a recalcitrant material, for two-dimensional electrophoresis. <i>Electrophoresis</i> , <b>2008</b> , 29, 448-56	3.6	35
24	Fungal root endophytes from natural vegetation in Mediterranean environments with special reference to <i>Fusarium</i> spp. <i>FEMS Microbiology Ecology</i> , <b>2008</b> , 64, 90-105	4.3	108

23	Mycobiota of the date palm phylloplane: description and interactions. <i>Revista Iberoamericana De Micologia</i> , <b>2007</b> , 24, 299-304	1.6	8
22	In vitro soil receptivity assays to egg-parasitic nematophagous fungi. <i>Mycological Progress</i> , <b>2006</b> , 5, 18-23.	9	26
21	Nematophagous Fungi as Root Endophytes <b>2006</b> , 191-206		21
20	Bactericidal and antifungal activities of a low molecular weight chitosan and its N-2(3)-(dodec-2-enyl)succinoyl/-derivatives. <i>Carbohydrate Polymers</i> , <b>2006</b> , 64, 66-72	10.3	240
19	Colonisation of seminal roots of wheat and barley by egg-parasitic nematophagous fungi and their effects on <i>Gaeumannomyces graminis</i> var. <i>tritici</i> and development of root-rot. <i>Soil Biology and Biochemistry</i> , <b>2005</b> , 37, 1229-1235	7.5	63
18	Endochitinase activity determination using N-fluorescein-labeled chitin. <i>Journal of Proteomics</i> , <b>2004</b> , 60, 29-38		11
17	Pre-penetration events in fungal parasitism of nematode eggs. <i>Mycological Research</i> , <b>2002</b> , 106, 499-506		67
16	Degradation of insect cuticle by <i>Paecilomyces farinosus</i> proteases. <i>Mycological Progress</i> , <b>2002</b> , 1, 249-256.	9	10
15	Colonization of plant roots by egg-parasitic and nematode-trapping fungi. <i>New Phytologist</i> , <b>2002</b> , 154, 491-499	9.8	143
14	Purification and characterization of chitinases from the nematophagous fungi <i>Verticillium chlamydosporium</i> and <i>V. suchlasporium</i> . <i>Fungal Genetics and Biology</i> , <b>2002</b> , 35, 67-78	3.9	134
13	Fungal egg-parasites of plant-parasitic nematodes from Spanish soils. <i>Revista Iberoamericana De Micologia</i> , <b>2002</b> , 19, 104-110	1.6	53
12	Growth inhibition of nematophagous and entomopathogenic fungi by leaf litter and soil containing phenols. <i>Mycological Research</i> , <b>1997</b> , 101, 691-697		12
11	Study of biofouling of Polyhydroxyalkanoate (PHA) films in water by scanning electron microscopy. <i>Micron</i> , <b>1994</b> , 25, 45-51	2.3	5
10	Histopathology of infection of the palm <i>Washingtonia filifera</i> with the pink bud rot fungus <i>Penicillium vermoesenii</i> . <i>Mycological Research</i> , <b>1994</b> , 98, 1195-1199		10
9	Ultrastructure of Infection of Cyst Nematode Eggs By the Nematophagous Fungus <i>Verticillium Suchlaspori</i> Um. <i>Nematologica</i> , <b>1993</b> , 39, 65-74		16
8	Study of biodegradation of starch-plastic films in soil using scanning electron microscopy. <i>Micron</i> , <b>1993</b> , 24, 457-463	2.3	22
7	Immunocytochemical localization of a 32-kDa protease from the nematophagous fungus <i>Verticillium suchlasporium</i> in infected nematode eggs. <i>Experimental Mycology</i> , <b>1992</b> , 16, 261-267		55
6	Appressoria of the nematophagous fungus <i>verticillium suchlasporium</i> . <i>Micron and Microscopica Acta</i> , <b>1990</b> , 21, 125-130		35

5	Dityrosine, Trityrosine and Tetratyrosine, Potential Cross-Links in Structural Proteins of Plant-Parasitic Nematodes. <i>Nematologica</i> , <b>1989</b> , 35, 165-179	22
4	New media for the estimation of fungal infection in eggs of the cereal cyst nematode, <i>Heterodera avenae</i> Woll. <i>Nematologica</i> , <b>1986</b> , 32, 486-489	28
3	Chitosan inhibits septin-mediated plant infection by the rice blast fungus <i>Magnaporthe oryzae</i> in a Protein Kinase C and Nox1 NADPH oxidase-dependent manner	1
2	Chitosan induces plant hormones and defences in tomato root exudates	1
1	Volatile organic compounds from entomopathogenic and nematophagous fungi, repel banana black weevil ( <i>Cosmopolites sordidus</i> )	3