

# Jorge Folch-Mallol

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3286477/publications.pdf>

Version: 2024-02-01

58  
papers

1,381  
citations

377584

21  
h-index

406436

35  
g-index

60  
all docs

60  
docs citations

60  
times ranked

2055  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surviving in the Brine: A Multi-Omics Approach for Understanding the Physiology of the Halophile Fungus <i>Aspergillus sydowii</i> at Saturated NaCl Concentration. <i>Frontiers in Microbiology</i> , 2022, 13, 840408.	1.5	7
2	Transcriptomic analysis of polyaromatic hydrocarbon degradation by the halophilic fungus <i>Aspergillus sydowii</i> at hypersaline conditions. <i>Environmental Microbiology</i> , 2021, 23, 3435-3459.	1.8	41
3	<i>Serratia</i> sp., an endophyte of <i>Mimosa pudica</i> nodules with nematicidal, antifungal activity and growth-promoting characteristics. <i>Archives of Microbiology</i> , 2021, 203, 549-559.	1.0	13
4	Tracking gene expression, metabolic profiles, and biochemical analysis in the halotolerant basidiomycetous yeast <i>Rhodotorula mucilaginosa</i> EXF-1630 during benzo[a]pyrene and phenanthrene biodegradation under hypersaline conditions. <i>Environmental Pollution</i> , 2021, 271, 116358.	3.7	19
5	A Versatile Peroxidase from the Fungus <i>Bjerkandera adusta</i> Confers Abiotic Stress Tolerance in Transgenic Tobacco Plants. <i>Plants</i> , 2021, 10, 859.	1.6	7
6	Osmolyte Signatures for the Protection of <i>Aspergillus sydowii</i> Cells under Halophilic Conditions and Osmotic Shock. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 414.	1.5	9
7	<i>Physcomitrium patens</i> Infection by <i>Colletotrichum gloeosporioides</i> : Understanding the Fungal-Bryophyte Interaction by Microscopy, Phenomics and RNA Sequencing. <i>Journal of Fungi (Basel)</i> , 2021, 7, 414.	1.5	9
8	Effects on <i>Capsicum annuum</i> Plants Colonized with <i>Trichoderma atroviride</i> P. Karst Strains Genetically Modified in <i>Tasw1</i> , a Gene Coding for a Protein with Expansin-like Activity. <i>Plants</i> , 2021, 10, 1919.	1.6	6
9	Identification of a Huperzine A-producing endophytic fungus from <i>Phlegmariurus taxifolius</i> . <i>Molecular Biology Reports</i> , 2020, 47, 489-495.	1.0	22
10	Mycoremediation of phenols and polycyclic aromatic hydrocarbons from a biorefinery wastewater and concomitant production of lignin modifying enzymes. <i>Journal of Cleaner Production</i> , 2020, 253, 119810.	4.6	35
11	Isolation and characterization of psychrophilic and psychrotolerant plant-growth promoting microorganisms from a high-altitude volcano crater in Mexico. <i>Microbiological Research</i> , 2020, 232, 126394.	2.5	49
12	Haloadaptative Responses of <i>Aspergillus sydowii</i> to Extreme Water Deprivation: Morphology, Compatible Solutes, and Oxidative Stress at NaCl Saturation. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020, 6, 316.	1.5	19
13	Development of a magnetically separable co-immobilized laccase and versatile peroxidase system for the conversion of lignocellulosic biomass to vanillin. <i>Journal of the Air and Waste Management Association</i> , 2020, 70, 1252-1259.	0.9	16
14	ITS2 ribotyping, in vitro anti-inflammatory screening, and metabolic profiling of fungal endophytes from the Mexican species <i>Crescentia alata</i> Kunth. <i>South African Journal of Botany</i> , 2020, 134, 213-224.	1.2	8
15	Aromatic Hydrocarbon Removal by Novel Extremotolerant <i>Exophiala</i> and <i>Rhodotorula</i> Spp. from an Oil Polluted Site in Mexico. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020, 6, 135.	1.5	10
16	Soil Type Affects Organic Acid Production and Phosphorus Solubilization Efficiency Mediated by Several Native Fungal Strains from Mexico. <i>Microorganisms</i> , 2020, 8, 1337.	1.6	20
17	Stress Reshapes the Physiological Response of Halophile Fungi to Salinity. <i>Cells</i> , 2020, 9, 525.	1.8	32
18	Characterization of Fungal Endophytes Isolated from the Metal Hyperaccumulator Plant <i>Vachellia farnesiana</i> Growing in Mine Tailings. <i>Microorganisms</i> , 2020, 8, 226.	1.6	21

#	ARTICLE	IF	CITATIONS
19	Simultaneous pretreatment and saccharification process for fermentable sugars production from <i>Casuarina equisetifolia</i> biomass using transgenic <i>Trichoderma atroviride</i> . Journal of the Air and Waste Management Association, 2020, 70, 1244-1251.	0.9	7
20	Laccases from Extremophiles. Microbiology Monographs, 2020, , 213-238.	0.3	2
21	Transgenic callus of <i>Nicotiana glauca</i> stably expressing a fungal laccase maintains its growth in presence of organic contaminants. Plant Cell, Tissue and Organ Culture, 2019, 138, 311-324.	1.2	3
22	Degradation profile of nixtamalized maize pericarp by the action of the microbial consortium PM-06. AMB Express, 2019, 9, 85.	1.4	7
23	First demonstration that ascomycetous halophilic fungi ( <i>Aspergillus sydowii</i> and <i>Aspergillus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Technology, 2019, 279, 287-296.	4.8	53
24	Expression, purification, and characterization of a metagenomic thioesterase from activated sludge involved in the degradation of acylCoA-derivatives. Protein Expression and Purification, 2019, 159, 49-52.	0.6	3
25	Isolation and characterization of endophytes from nodules of <i>Mimosa pudica</i> with biotechnological potential. Microbiological Research, 2019, 218, 76-86.	2.5	34
26	Phytoremediation and Fungi: An Underexplored Binomial. Nanotechnology in the Life Sciences, 2018, , 79-95.	0.4	3
27	<i>Schizophyllum commune</i> : An unexploited source for lignocellulose degrading enzymes. MicrobiologyOpen, 2018, 7, e00637.	1.2	16
28	A family 13 thioesterase isolated from an activated sludge metagenome: insights into aromatic compounds metabolism. Proteins: Structure, Function and Bioinformatics, 2017, 85, 1222-1237.	1.5	6
29	The first description of a hormone-sensitive lipase from a basidiomycete: Structural insights and biochemical characterization revealed <i>Bjerkandera adusta</i> BaEstB as a novel esterase. MicrobiologyOpen, 2017, 6, e00463.	1.2	12
30	Simple screening protocol for identification of potential mycoremediation tools for the elimination of polycyclic aromatic hydrocarbons and phenols from hyperalkalophile industrial effluents. Journal of Environmental Management, 2017, 198, 1-11.	3.8	43
31	Recombinant expression of a laccase from <i>Coriopsis gallica</i> in <i>Pichia pastoris</i> using a modified $\hat{\iota}$ -factor preproleader. Protein Expression and Purification, 2017, 136, 14-19.	0.6	7
32	Enhancing methyl parathion degradation by the immobilization of <i>Burkholderia</i> sp. isolated from agricultural soils. MicrobiologyOpen, 2017, 6, e00507.	1.2	20
33	Characterization of lignocellulolytic activities from fungi isolated from the deep-sea sponge <i>Stelletta normani</i> . PLoS ONE, 2017, 12, e0173750.	1.1	42
34	Assessment of non-cultured aquatic fungal diversity from different habitats in Mexico. Revista Mexicana De Biodiversidad, 2016, 87, 18-28.	0.4	7
35	From lignocellulosic metagenomes to lignocellulolytic genes: trends, challenges and future prospects. Biofuels, Bioproducts and Biorefining, 2016, 10, 864-882.	1.9	41
36	Xenobiotic Compounds Degradation by Heterologous Expression of a <i>Trametes sanguineus</i> Laccase in <i>Trichoderma atroviride</i> . PLoS ONE, 2016, 11, e0147997.	1.1	55

#	ARTICLE	IF	CITATIONS
37	A Novel Expansin Protein from the White-Rot Fungus <i>Schizophyllum commune</i> . PLoS ONE, 2015, 10, e0122296.	1.1	36
38	Identification of a novel carbohydrate esterase from <i>Bjerkandera adusta</i> : Structural and function predictions through bioinformatics analysis and molecular modeling. Proteins: Structure, Function and Bioinformatics, 2015, 83, 533-546.	1.5	6
39	Complex regulation of Hsf1-Skn7 activities by the catalytic subunits of PKA in <i>Saccharomyces cerevisiae</i> : experimental and computational evidences. BMC Systems Biology, 2015, 9, 42.	3.0	10
40	Characterization of Lignocellulolytic Activities from a Moderate Halophile Strain of <i>Aspergillus caesiellus</i> Isolated from a Sugarcane Bagasse Fermentation. PLoS ONE, 2014, 9, e105893.	1.1	29
41	A novel TctA citrate transporter from an activated sludge metagenome: Structural and mechanistic predictions for the TTT family. Proteins: Structure, Function and Bioinformatics, 2014, 82, 1756-1764.	1.5	9
42	Cloning and expression of a hypothetical Loosenin from <i>Neurospora crassa</i> . Revista Latinoamericana De Biotecnología Ambiental Y Algal, 2014, 5, .	0.3	1
43	PcEx1 a Novel Acid Expansin-Like Protein from the Plant Pathogen <i>Pectobacterium carotovorum</i> , Binds Cell Walls Differently to BsEXLX1. PLoS ONE, 2014, 9, e95638.	1.1	34
44	Gut Bacterial Diversity of the House Sparrow ( <i>Passer domesticus</i> ) Inferred by 16S rRNA Sequence Analysis. Metagenomics (Cairo, Egypt), 2014, 3, 1-11.	1.2	20
45	Optimization of methyl parathion biodegradation and detoxification by cells in suspension or immobilized on tezontle expressing the <i>opd</i> gene. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2013, 48, 449-461.	0.7	26
46	Cloning and expression of a hypothetical Loosenin from <i>Neurospora crassa</i> . Revista Latinoamericana De Biotecnología Ambiental Y Algal, 2013, 4, .	0.3	2
47	Natural occurrence of lethal aspergillosis in the cattle tick <i>Rhipicephalus (Boophilus) microplus</i> (Acari: Ixodidae). Parasitology, 2012, 139, 259-263.	0.7	5
48	Evaluation of different lignocellulosic substrates for the production of cellulases and xylanases by the basidiomycete fungi <i>Bjerkandera adusta</i> and <i>Pycnoporus sanguineus</i> . Biodegradation, 2011, 22, 565-572.	1.5	32
49	Loosenin, a novel protein with cellulose-disrupting activity from <i>Bjerkandera adusta</i> . Microbial Cell Factories, 2011, 10, 8.	1.9	86
50	Characterization of cellulolytic activities of <i>Bjerkandera adusta</i> and <i>Pycnoporus sanguineus</i> on solid wheat straw medium. Electronic Journal of Biotechnology, 2009, 12, .	1.2	10
51	The role of N-glycosylation on the enzymatic activity of a <i>Pycnoporus sanguineus</i> laccase. Enzyme and Microbial Technology, 2009, 45, 233-239.	1.6	60
52	A two-step electro dialysis method for DNA purification from polluted metallic environmental samples. Electrophoresis, 2008, 29, 3239-3244.	1.3	6
53	Production of two novel laccase isoforms by a thermotolerant strain of <i>Pycnoporus sanguineus</i> isolated from an oil-polluted tropical habitat. International Microbiology, 2008, 11, 163-9.	1.1	49
54	Phylogenetic and biochemical characterisation of a recombinant laccase from <i>Trametes versicolor</i> . FEMS Microbiology Letters, 2005, 244, 235-241.	0.7	56

#	ARTICLE	IF	CITATIONS
55	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
56	A <i>Selaginella lepidophylla</i> Trehalose-6-Phosphate Synthase Complements Growth and Stress-Tolerance Defects in a Yeast <i>tps1</i> Mutant. <i>Plant Physiology</i> , 1999, 119, 1473-1482.	2.3	164
57	Sulfation of Nod Factors via nodHPQ Is nodD Independent in <i>Rhizobium tropici</i> CIAT899. <i>Molecular Plant-Microbe Interactions</i> , 1998, 11, 979-987.	1.4	5
58	Hidden Microbial Helpers Living Inside Plants: Getting to Know Endophytes and Some of Their Applications in Our Daily Lives. <i>Frontiers for Young Minds</i> , 0, 7, .	0.8	0