Juan C GarcÃ-a CortÃ©s

List of Publications by Year
in descending order

28 papers	1,589 citations	471061 17 h-index	525886 27 g-index
28 all docs	28 docs citations	28 times ranked	1444 citing authors

#	Article	IF	Citations
1	In vitro antifungal evaluation and structureâ€“activity relationships of a new series of chalcone derivatives and synthetic analogues, with inhibitory properties against polymers of the fungal cell wall. Bioorganic and Medicinal Chemistry, 2001, 9, 1999-2013.	1.4	275
2	A Genomic Approach for the Identification and Classification of Genes Involved in Cell Wall Formation and Its Regulation inSaccharomyces cerevisiae. Comparative and Functional Genomics, 2001, 2, 124-142.	2.0	138
3	Localization of the (1,3)Î²-D-glucan synthase catalytic subunit homologue Bgs1p/Cps1p from fission yeast suggests that it is involved in septation, polarized growth, mating, spore wall formation and spore germination. Journal of Cell Science, 2002, 115, 4081-4096.	1.2	135
4	The novel fission yeast (1,3)Î²-D-glucan synthase catalytic subunit Bgs4p is essential during both cytokinesis and polarized growth. Journal of Cell Science, 2005, 118, 157-174.	1.2	130
5	The (1,3)Î²-d-glucan synthase subunit Bgs1p is responsible for the fission yeast primary septum formation. Molecular Microbiology, 2007, 65, 201-217.	1.2	103
6	Inhibitors of the fungal cell wall. Synthesis of 4-aryl-4- N -arylamine-1-butenes and related compounds with inhibitory activities on Î²(1â€“3) glucan and chitin synthases. Bioorganic and Medicinal Chemistry, 2000, 8, 691-698.	1.4	94
7	The fungal cell wall as a target for the development of new antifungal therapies. Biotechnology Advances, 2019, 37, 107352.	6.0	88
8	Extracellular cell wall Î²(1,3)glucan is required to couple septation to actomyosin ring contraction. Journal of Cell Biology, 2013, 203, 265-282.	2.3	84
9	Fission yeast Ags1 confers the essential septum strength needed for safe gradual cell abscission. Journal of Cell Biology, 2012, 198, 637-656.	2.3	83
10	Cooperation between Paxillin-like Protein Pxl1 and Glucan Synthase Bgs1 Is Essential for Actomyosin Ring Stability and Septum Formation in Fission Yeast. PLoS Genetics, 2015, 11, e1005358.	1.5	59
11	Differential Activities of Three Families of Specific Î²(1,3)Glucan Synthase Inhibitors in Wild-type and Resistant Strains of Fission Yeast. Journal of Biological Chemistry, 2011, 286, 3484-3496.	1.6	46
12	The Cell Biology of Fission Yeast Septation. Microbiology and Molecular Biology Reviews, 2016, 80, 779-791.	2.9	45
13	Proper timing of cytokinesis is regulated by Schizosaccharomyces pombe Etd1. Journal of Cell Biology, 2009, 186, 739-753.	2.3	44
14	Schizosaccharomyces pombe Pmr1p Is Essential for Cell Wall Integrity and Is Required for Polarized Cell Growth and Cytokinesis. Eukaryotic Cell, 2004, 3, 1124-1135.	3.4	35
15	Fission yeast cell wall biosynthesis and cell integrity signalling. Cell Surface, 2018, 4, 1-9.	1.5	35
16	A New Membrane Protein Sbg1 Links the Contractile Ring Apparatus and Septum Synthesis Machinery in Fission Yeast. PLoS Genetics, 2016, 12, e1006383.	1.5	29
17	Natural products targeting the synthesis of Î²(1,3)-D-glucan and chitin of the fungal cell wall. Existing drugs and recent findings. Phytomedicine, 2021, 88, 153556.	2.3	26
18	Fission yeast septation. Communicative and Integrative Biology, 2016, 9, e1189045.	0.6	19

#	Article	IF	Citations
19	In vitro Inhibition of 1,3-ÃŽÂ²-Glucan Synthase by Glycolipids from Convolvulaceous Species. Planta Medica, 2002, 68, 739-742.	0.7	18
20	Overview of fission yeast septation. Cellular Microbiology, 2016, 18, 1201-1207.	1.1	18
21	Specific detection of fission yeast primary septum reveals septum and cleavage furrow ingression during early anaphase independent of mitosis completion. PLoS Genetics, 2018, 14, e1007388.	1.5	18
22	The antifungal activity and mechanisms of action of quantified extracts from berries, leaves and roots of Phytolacca tetramera.. Phytomedicine, 2019, 60, 152884.	2.3	17
23	Approaches to the mechanism of antifungal activity of Zuccagnia punctata-Larrea nitida bi-herbal combination. Phytomedicine, 2019, 54, 291-301.	2.3	15
24	Two S. pombe septation phases differ in ingression rate, septum structure, and response to F-actin loss. Journal of Cell Biology, 2019, 218, 4171-4194.	2.3	14
25	Analysis and application of a suite of recombinant endo-Î²(1,3)-d-glucanases for studying fungal cell walls. Microbial Cell Factories, 2021, 20, 126.	1.9	11
26	Imaging Septum Formation by Fluorescence Microscopy. Methods in Molecular Biology, 2016, 1369, 73-85.	0.4	5
27	Echinocandin Drugs Induce Differential Effects in Cytokinesis Progression and Cell Integrity. Pharmaceuticals, 2021, 14, 1332.	1.7	3
28	New Cell Wall-Affecting Antifungal Antibiotics. , 2014, , 237-268.		2