

Frans M Klis

List of Publications by Year in descending order

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144
papers

17,565
citations

13099

68
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128
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145
all docs

145
docs citations

145
times ranked

11243
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome sequencing and analysis of the versatile cell factory <i>Aspergillus niger</i> CBS 513.88. <i>Nature Biotechnology</i> , 2007, 25, 221-231.	17.5	1,047
2	Evolution of pathogenicity and sexual reproduction in eight <i>Candida</i> genomes. <i>Nature</i> , 2009, 459, 657-662.	27.8	963
3	Dynamics of cell wall structure in <i>Saccharomyces cerevisiae</i> . <i>FEMS Microbiology Reviews</i> , 2002, 26, 239-256.	8.6	725
4	Cell wall construction in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2006, 23, 185-202.	1.7	617
5	Architecture of the Yeast Cell Wall. <i>Journal of Biological Chemistry</i> , 1997, 272, 17762-17775.	3.4	532
6	Review: Cell wall assembly in yeast. <i>Yeast</i> , 1994, 10, 851-869.	1.7	529
7	Flocculation, adhesion and biofilm formation in yeasts. <i>Molecular Microbiology</i> , 2006, 60, 5-15.	2.5	513
8	Granulocytes govern the transcriptional response, morphology and proliferation of <i>Candida albicans</i> in human blood. <i>Molecular Microbiology</i> , 2005, 56, 397-415.	2.5	414
9	Large Scale Identification of Genes Involved in Cell Surface Biosynthesis and Architecture in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 1997, 147, 435-450.	2.9	350
10	Identification of fungal cell wall mutants using susceptibility assays based on Calcofluor white and Congo red. <i>Nature Protocols</i> , 2006, 1, 2253-2256.	12.0	339
11	The contribution of cell wall proteins to the organization of the yeast cell wall. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1999, 1426, 373-383.	2.4	319
12	A new approach for isolating cell wall mutants in <i>Saccharomyces cerevisiae</i> by screening for hypersensitivity to calcofluor white. <i>Yeast</i> , 1994, 10, 1019-1030.	1.7	311
13	In silico identification of glycosyl-phosphatidylinositol-anchored plasma-membrane and cell wall proteins of <i>Saccharomyces cerevisiae</i> . , 1997, 13, 1477-1489.		299
14	The cell wall architecture of <i>Candida albicans</i> wild-type cells and cell wall-defective mutants. <i>Molecular Microbiology</i> , 2002, 35, 601-611.	2.5	285
15	Features and functions of covalently linked proteins in fungal cell walls. <i>Fungal Genetics and Biology</i> , 2005, 42, 657-675.	2.1	283
16	Genome-wide identification of fungal GPI proteins. <i>Yeast</i> , 2003, 20, 781-796.	1.7	256
17	Proteomic Analysis of <i>Candida albicans</i> Cell Walls Reveals Covalently Bound Carbohydrate-Active Enzymes and Adhesins. <i>Eukaryotic Cell</i> , 2004, 3, 955-965.	3.4	246
18	Retention of <i>Saccharomyces cerevisiae</i> cell wall proteins through a phosphodiester-linked β -1,3- β -1,6-glucan heteropolymer. <i>Glycobiology</i> , 1996, 6, 337-345.	2.5	242

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19	Identification of three mannoproteins in the cell wall of <i>Saccharomyces cerevisiae</i> . <i>Journal of Bacteriology</i> , 1995, 177, 3104-3110.	2.2	239
20	The glucanase-soluble mannoproteins limit cell wall porosity in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 1990, 6, 491-499.	1.7	238
21	Cell wall perturbation in yeast results in dual phosphorylation of the Slt2/Mpk1 MAP kinase and in an Slt2-mediated increase in FKS2 β -lacZ expression, glucanase resistance and thermotolerance. <i>Microbiology (United Kingdom)</i> , 2000, 146, 2121-2132.	1.8	237
22	Glycosylphosphatidylinositol-anchored Proteases of <i>Candida albicans</i> Target Proteins Necessary for Both Cellular Processes and Host-Pathogen Interactions. <i>Journal of Biological Chemistry</i> , 2006, 281, 688-694.	3.4	222
23	Cell wall dynamics in yeast. <i>Current Opinion in Microbiology</i> , 1999, 2, 348-352.	5.1	212
24	Glycosyl phosphatidylinositol-dependent cross-linking of alpha-agglutinin and beta 1,6-glucan in the <i>Saccharomyces cerevisiae</i> cell wall.. <i>Journal of Cell Biology</i> , 1995, 128, 333-340.	5.2	208
25	The Cell Wall of the Human Pathogen <i>Candida glabrata</i> : Differential Incorporation of Novel Adhesin-Like Wall Proteins. <i>Eukaryotic Cell</i> , 2008, 7, 1951-1964.	3.4	199
26	T-profiler: scoring the activity of predefined groups of genes using gene expression data. <i>Nucleic Acids Research</i> , 2005, 33, W592-W595.	14.5	190
27	Loss of the Plasma Membrane-Bound Protein Gas1p in <i>Saccharomyces cerevisiae</i> Results in the Release of β 1,3-Glucan into the Medium and Induces a Compensation Mechanism To Ensure Cell Wall Integrity. <i>Journal of Bacteriology</i> , 1998, 180, 1418-1424.	2.2	184
28	Altered extent of cross-linking of beta1,6-glucosylated mannoproteins to chitin in <i>Saccharomyces cerevisiae</i> mutants with reduced cell wall beta1,3-glucan content. <i>Journal of Bacteriology</i> , 1997, 179, 6279-6284.	2.2	174
29	Comprehensive Proteomic Analysis of <i>Saccharomyces cerevisiae</i> Cell Walls. <i>Journal of Biological Chemistry</i> , 2005, 280, 20894-20901.	3.4	168
30	Low external pH induces HOG1-dependent changes in the organization of the <i>Saccharomyces cerevisiae</i> cell wall. <i>Molecular Microbiology</i> , 2001, 39, 469-480.	2.5	162
31	Targeting of a heterologous protein to the cell wall of <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 1993, 9, 399-409.	1.7	160
32	The Cell Wall of <i>Fusarium oxysporum</i> . <i>Fungal Genetics and Biology</i> , 1999, 27, 275-282.	2.1	159
33	Identification of a putative alpha-glucan synthase essential for cell wall construction and morphogenesis in fission yeast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 9161-9166.	7.1	158
34	Differential regulation of cell wall biogenesis during growth and development in yeast. <i>Microbiology (United Kingdom)</i> , 2001, 147, 781-794.	1.8	158
35	The contribution of the O-glycosylated protein Pir2p/Hsp150 to the construction of the yeast cell wall in wild-type cells and β 1,6-glucan-deficient mutants. <i>Molecular Microbiology</i> , 1999, 31, 1835-1844.	2.5	155
36	Immobilizing proteins on the surface of yeast cells. <i>Trends in Biotechnology</i> , 1996, 14, 115-120.	9.3	147

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37	Transcriptional Response of <i>Saccharomyces cerevisiae</i> to the Plasma Membrane-Perturbing Compound Chitosan. <i>Eukaryotic Cell</i> , 2005, 4, 703-715.	3.4	144
38	An assay of relative cell wall porosity in <i>Saccharomyces cerevisiae</i> , <i>Kluyveromyces lactis</i> and <i>Schizosaccharomyces pombe</i> . <i>Yeast</i> , 1990, 6, 483-490.	1.7	143
39	Carbon source-induced reprogramming of the cell wall proteome and secretome modulates the adherence and drug resistance of the fungal pathogen <i>Candida albicans</i> . <i>Proteomics</i> , 2012, 12, 3164-3179.	2.2	142
40	Covalently linked cell wall proteins of <i>Candida albicans</i> and their role in fitness and virulence. <i>FEMS Yeast Research</i> , 2009, 9, 1013-1028.	2.3	141
41	A Genomic Approach for the Identification and Classification of Genes Involved in Cell Wall Formation and Its Regulation in <i>Saccharomyces cerevisiae</i> . <i>Comparative and Functional Genomics</i> , 2001, 2, 124-142.	2.0	138
42	Characterization of the transcriptional response to cell wall stress in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2004, 21, 413-427.	1.7	137
43	Identification of two cell cycle regulated genes affecting the β 1,3-glucan content of cell walls in <i>Saccharomyces cerevisiae</i> . <i>FEBS Letters</i> , 1995, 358, 165-170.	2.8	134
44	Comparison of cell wall proteins of <i>Saccharomyces cerevisiae</i> as anchors for cell surface expression of heterologous proteins. <i>Applied and Environmental Microbiology</i> , 1997, 63, 615-620.	3.1	130
45	Molecular organization of the cell wall of <i>Candida albicans</i> . <i>Medical Mycology</i> , 2001, 39, 1-8.	0.7	125
46	The cell wall stress response in <i>Aspergillus niger</i> involves increased expression of the glutamine : fructose-6-phosphate amidotransferase-encoding gene (<i>gfaA</i>) and increased deposition of chitin in the cell wall. <i>Microbiology (United Kingdom)</i> , 2004, 150, 3315-3326.	1.8	116
47	Molecular and Cellular Mechanisms That Lead to <i>Candida</i> Biofilm Formation. <i>Journal of Dental Research</i> , 2009, 88, 105-115.	5.2	112
48	The CRH Family Coding for Cell Wall Glycosylphosphatidylinositol Proteins with a Predicted Transglycosidase Domain Affects Cell Wall Organization and Virulence of <i>Candida albicans</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 40399-40411.	3.4	108
49	Covalent association of beta-1,3-glucan with beta-1,6-glucosylated mannoproteins in cell walls of <i>Candida albicans</i> . <i>Journal of Bacteriology</i> , 1995, 177, 3788-3792.	2.2	105
50	Parallel and comparative analysis of the proteome and transcriptome of sorbic acid-stressed <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2001, 18, 1413-1428.	1.7	105
51	Hypoxic conditions and iron restriction affect the cell-wall proteome of <i>Candida albicans</i> grown under vagina-simulative conditions. <i>Microbiology (United Kingdom)</i> , 2008, 154, 510-520.	1.8	104
52	The structure of cell wall β -glucan from fission yeast. <i>Glycobiology</i> , 2004, 15, 245-257.	2.5	100
53	The linkage of (1-3)- β -glucan to chitin during cell wall assembly in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 1994, 10, 1591-1599.	1.7	99
54	The 2008 update of the <i>Aspergillus nidulans</i> genome annotation: A community effort. <i>Fungal Genetics and Biology</i> , 2009, 46, S2-S13.	2.1	99

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55	Surface Stress Induces a Conserved Cell Wall Stress Response in the Pathogenic Fungus <i>Candida albicans</i> . <i>Eukaryotic Cell</i> , 2013, 12, 254-264.	3.4	99
56	Regulation of cell wall β -glucan assembly: PTC1 Negatively affects PBS2 Action in a pathway that includes modulation of EXG1 transcription. <i>Molecular Genetics and Genomics</i> , 1995, 248, 260-269.	2.4	97
57	Comprehensive genomic analysis of cell wall genes in <i>Aspergillus nidulans</i> . <i>Fungal Genetics and Biology</i> , 2009, 46, S72-S81.	2.1	97
58	Effects of Fluconazole on the Secretome, the Wall Proteome, and Wall Integrity of the Clinical Fungus <i>Candida albicans</i> . <i>Eukaryotic Cell</i> , 2011, 10, 1071-1081.	3.4	97
59	Cell wall glucomannoproteins of <i>Saccharomyces cerevisiae</i> mnn9. <i>Yeast</i> , 1991, 7, 717-726.	1.7	96
60	Hyphal induction in the human fungal pathogen <i>Candida albicans</i> reveals a characteristic wall protein profile. <i>Microbiology (United Kingdom)</i> , 2011, 157, 2297-2307.	1.8	96
61	Cell Wall-Related Biomarkers and Bioestimates of <i>Saccharomyces cerevisiae</i> and <i>Candida albicans</i> . <i>Eukaryotic Cell</i> , 2014, 13, 2-9.	3.4	92
62	Systematic identification in silico of covalently bound cell wall proteins and analysis of protein-polysaccharide linkages of the human pathogen <i>Candida glabrata</i> . <i>Microbiology (United Kingdom)</i> , 2011, 157, 2297-2307.	1.8	96
63	Localization of Synthesis of β -1,6-Glucan in <i>Saccharomyces cerevisiae</i> . <i>Journal of Bacteriology</i> , 1999, 181, 7414-7420.	2.2	82
64	Expression of <i>agsA</i> , one of five 1,3- β -D-glucan synthase-encoding genes in <i>Aspergillus niger</i> , is induced in response to cell wall stress. <i>Fungal Genetics and Biology</i> , 2005, 42, 165-177.	2.1	81
65	A Novel Screening Method for Cell Wall Mutants in <i>Aspergillus niger</i> Identifies UDP-Galactopyranose Mutase as an Important Protein in Fungal Cell Wall Biosynthesis. <i>Genetics</i> , 2008, 178, 873-881.	2.9	81
66	The <i>Aspergillus niger</i> MADS-box transcription factor RlmA is required for cell wall reinforcement in response to cell wall stress. <i>Molecular Microbiology</i> , 2005, 58, 305-319.	2.5	79
67	Mass spectrometric analysis of the secretome of <i>Candida albicans</i> . <i>Yeast</i> , 2010, 27, 661-672.	1.7	78
68	Cell wall maintenance in fungi. <i>Trends in Microbiology</i> , 2000, 8, 344-345.	7.7	77
69	Characterization of Agglutinin-like Sequence Genes From Non- <i>Candida albicans</i> and Phylogenetic Analysis of the ALS Family. <i>Genetics</i> , 2001, 157, 1555-1567.	2.9	75
70	Restrictive glycosylphosphatidylinositol anchor synthesis in <i>cwh6/gpi3</i> yeast cells causes aberrant biogenesis of cell wall proteins. <i>Journal of Bacteriology</i> , 1997, 179, 2202-2209.	2.2	71
71	Identification of Cell Wall-Associated Proteins from <i>Phytophthora ramorum</i> . <i>Molecular Plant-Microbe Interactions</i> , 2006, 19, 1348-1358.	2.6	69
72	Extraction of cell surface-associated proteins from living yeast cells. <i>Yeast</i> , 2007, 24, 253-258.	1.7	67

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73	CWH41 encodes a novel endoplasmic reticulum membrane N-glycoprotein involved in beta 1,6-glucan assembly. <i>Journal of Bacteriology</i> , 1996, 178, 1162-1171.	2.2	66
74	Cellular Processes and Pathways That Protect <i>Saccharomyces cerevisiae</i> Cells against the Plasma Membrane-Perturbing Compound Chitosan. <i>Eukaryotic Cell</i> , 2007, 6, 600-608.	3.4	62
75	Specific Cell Wall Proteins Confer Resistance to Nisin upon Yeast Cells. <i>Applied and Environmental Microbiology</i> , 1998, 64, 4047-4052.	3.1	61
76	Mass spectrometry-based proteomics of fungal wall glycoproteins. <i>Trends in Microbiology</i> , 2008, 16, 20-26.	7.7	58
77	Beyond the wall: <i>Candida albicans</i> secret(e)s to survive. <i>FEMS Microbiology Letters</i> , 2013, 338, 10-17.	1.8	58
78	The GPI-modified proteins Pga59 and Pga62 of <i>Candida albicans</i> are required for cell wall integrity. <i>Microbiology (United Kingdom)</i> , 2009, 155, 2004-2020.	1.8	56
79	Arabinogalactan Protein from a Crude Cell Organelle Fraction of <i>Phaseolus vulgaris</i> L.. <i>Plant Physiology</i> , 1981, 68, 910-913.	4.8	55
80	Covalently linked wall proteins in ascomycetous fungi. <i>Yeast</i> , 2010, 27, 489-493.	1.7	53
81	Mass spectrometric quantification of the adaptations in the wall proteome of <i>Candida albicans</i> in response to ambient pH. <i>Microbiology (United Kingdom)</i> , 2011, 157, 136-146.	1.8	53
82	The incorporation of mannoproteins in the cell wall of <i>S. cerevisiae</i> and filamentous Ascomycetes. <i>Antonie Van Leeuwenhoek</i> , 1997, 72, 229-237.	1.7	52
83	Identification of SPT14/CWH6 as the yeast homologue of hPIG-A, a gene involved in the biosynthesis of GPI anchors. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1995, 1243, 549-551.	2.4	49
84	Green fluorescent protein-cell wall fusion proteins are covalently incorporated into the cell wall of <i>Saccharomyces cerevisiae</i> . <i>FEMS Microbiology Letters</i> , 1998, 162, 249-255.	1.8	49
85	GPI7 affects cell-wall protein anchorage in <i>Saccharomyces cerevisiae</i> and <i>Candida albicans</i> . <i>Microbiology (United Kingdom)</i> , 2002, 148, 2125-2133.	1.8	48
86	Glucosylation of chimeric proteins in the cell wall of <i>Saccharomyces cerevisiae</i> . <i>FEBS Letters</i> , 1994, 349, 135-138.	2.8	47
87	Identification and Differential Gene Expression of Adhesin-Like Wall Proteins in <i>Candida glabrata</i> Biofilms. <i>Mycopathologia</i> , 2011, 172, 415-427.	3.1	47
88	Cyclic variations in the permeability of the cell wall of <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 1991, 7, 589-598.	1.7	45
89	Composition and properties of the sexual agglutinins of the flagellated green alga <i>Chlamydomonas eugametos</i> . <i>Planta</i> , 1987, 170, 314-321.	3.2	44
90	Transcription of multiple cell wall protein-encoding genes in <i>Saccharomyces cerevisiae</i> is differentially regulated during the cell cycle. <i>FEMS Microbiology Letters</i> , 1998, 161, 345-349.	1.8	43

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91	Mass spectrometric identification of covalently bound cell wall proteins from the fission yeast <i>Schizosaccharomyces pombe</i> . <i>Yeast</i> , 2007, 24, 267-278.	1.7	42
92	A systematic study of the cell wall composition of <i>Kluyveromyces lactis</i> . <i>Yeast</i> , 2010, 27, 647-660.	1.7	42
93	Growth-dependent secretome of <i>Candida utilis</i> . <i>Microbiology (United Kingdom)</i> , 2011, 157, 2493-2503.	1.8	41
94	Identification and characterization of a major building block in the cell wall of <i>Saccharomyces cerevisiae</i> . <i>Biochemical Society Transactions</i> , 1997, 25, 856-860.	3.4	40
95	Sexual Agglutination in the Unicellular Green Alga <i>Chlamydomonas eugametos</i> . <i>Plant Physiology</i> , 1985, 79, 740-745.	4.8	39
96	Glycosylated Seryl Residues in Wall Protein of Elongating Pea Stems. <i>Plant Physiology</i> , 1976, 57, 224-226.	4.8	38
97	The retention mechanism of cell wall proteins in <i>Saccharomyces cerevisiae</i> . Wall-bound Cwp2p is β -1,6-glucosylated. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1996, 1291, 206-214.	2.4	37
98	Activation of the Protein Kinase C1 Pathway upon Continuous Heat Stress in <i>Saccharomyces cerevisiae</i> Is Triggered by an Intracellular Increase in Osmolarity due to Trehalose Accumulation. <i>Applied and Environmental Microbiology</i> , 2005, 71, 4531-4538.	3.1	37
99	Characterisation of CwpA, a putative glycosylphosphatidylinositol-anchored cell wall mannoprotein in the filamentous fungus <i>Aspergillus niger</i> . <i>Fungal Genetics and Biology</i> , 2005, 42, 873-885.	2.1	37
100	Mechanistic and Mathematical Inactivation Studies of Food Spoilage Fungi. <i>Fungal Genetics and Biology</i> , 1999, 27, 199-208.	2.1	36
101	An in vitro assay for β -1,6-D-glucan synthesis in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2004, 21, 1121-1131.	1.7	36
102	The β -1,6-glucan containing side-chain of cell wall proteins of <i>Saccharomyces cerevisiae</i> is bound to the glycan core of the GPI moiety. <i>FEMS Microbiology Letters</i> , 1996, 145, 401-407.	1.8	35
103	Inferring Condition-Specific Modulation of Transcription Factor Activity in Yeast through Regulon-Based Analysis of Genomewide Expression. <i>PLoS ONE</i> , 2008, 3, e3112.	2.5	35
104	Mass spectrometric quantitation of covalently bound cell wall proteins in <i>Saccharomyces cerevisiae</i> . <i>FEMS Yeast Research</i> , 2007, 7, 887-896.	2.3	34
105	The <i>Candida albicans</i> cell wall protein Rhd3/Pga29 is abundant in the yeast form and contributes to virulence. <i>Yeast</i> , 2010, 27, 611-624.	1.7	34
106	Physiological actions of preservative agents: prospective of use of modern microbiological techniques in assessing microbial behaviour in food preservation. <i>International Journal of Food Microbiology</i> , 2002, 79, 55-64.	4.7	33
107	Iron restriction-induced adaptations in the wall proteome of <i>Candida albicans</i> . <i>Microbiology (United Kingdom)</i> , 2011, 157, 2493-2503.	1.8	33
108	The <i>Saccharomyces cerevisiae</i> CWH8 gene is required for full levels of dolichol-linked oligosaccharides in the endoplasmic reticulum and for efficient N-glycosylation. <i>Glycobiology</i> , 1999, 9, 243-253.	2.5	32

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109	Role of Retrograde Trafficking in Stress Response, Host Cell Interactions, and Virulence of <i>Candida albicans</i> . <i>Eukaryotic Cell</i> , 2014, 13, 279-287.	3.4	32
110	Localization of arabinogalactan proteins in the membrane system of etiolated hypocotyls of <i>Phaseolus vulgaris</i> L. <i>Planta</i> , 1983, 159, 322-328.	3.2	31
111	Domain conservation in several volvoclean cell wall proteins. <i>Plant Molecular Biology</i> , 1994, 26, 947-960.	3.9	31
112	Role of Cell Cycle-regulated Expression in the Localized Incorporation of Cell Wall Proteins in Yeast. <i>Molecular Biology of the Cell</i> , 2006, 17, 3267-3280.	2.1	31
113	Mutations in SNF1 complex genes affect yeast cell wall strength. <i>European Journal of Cell Biology</i> , 2013, 92, 383-395.	3.6	31
114	β -Glucosylated proteins in the cell wall of the black yeast <i>Exophiala (Wangiella) dermatitidis</i> . <i>Microbiology (United Kingdom)</i> , 1997, 143, 1673-1680.	1.8	29
115	<i>Saccharomyces cerevisiae</i> YCRO17c/CWH43 encodes a putative sensor/transporter protein upstream of the BCK2 branch of the PKC1-dependent cell wall integrity pathway. <i>Yeast</i> , 2001, 18, 827-840.	1.7	28
116	Detailed process design based on genomics of survivors of food preservation processes. <i>Trends in Food Science and Technology</i> , 2002, 13, 325-333.	15.1	26
117	A new strategy for inhibition of the spoilage yeasts <i>Saccharomyces cerevisiae</i> and <i>Zygosaccharomyces bailii</i> based on combination of a membrane-active peptide with an oligosaccharide that leads to an impaired glycosylphosphatidylinositol (GPI)-dependent yeast wall protein layer. <i>FEMS Yeast Research</i> , 2001, 1, 187-194.	2.3	25
118	Mechanism of action of the endo-(1 \rightarrow 3)- β -glucanase MutAp from the mycoparasitic fungus <i>Trichoderma harzianum</i> . <i>FEBS Letters</i> , 2006, 580, 3780-3786.	2.8	25
119	A mass spectrometric view of the fungal wall proteome. <i>Future Microbiology</i> , 2011, 6, 941-951.	2.0	25
120	Arabinogalactan protein in the extracellular space of <i>Phaseolus vulgaris</i> hypocotyls. <i>Phytochemistry</i> , 1984, 23, 493-496.	2.9	24
121	Isolation and composition of the constitutive agglutinins from haploid <i>Saccharomyces cerevisiae</i> cells. <i>Archives of Microbiology</i> , 1987, 148, 208-212.	2.2	24
122	Wall-bound enzymes in callus of <i>Convolvulus arvensis</i> . <i>Phytochemistry</i> , 1974, 13, 55-57.	2.9	23
123	Hydroxyproline Glycosides in Secretory Arabinogalactan-Protein of <i>Phaseolus vulgaris</i> L.. <i>Plant Physiology</i> , 1981, 68, 979-980.	4.8	22
124	News from the Fungal Front: Wall Proteome Dynamics and Host-Pathogen Interplay. <i>PLoS Pathogens</i> , 2012, 8, e1003050.	4.7	22
125	The conserved PA14 domain of cell wall-associated fungal adhesins governs their glycan-binding specificity. <i>Molecular Microbiology</i> , 2008, 68, 535-537.	2.5	20
126	Adaptations of the Secretome of <i>Candida albicans</i> in Response to Host-Related Environmental Conditions. <i>Eukaryotic Cell</i> , 2015, 14, 1165-1172.	3.4	20

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127	The Transcriptional Repressor TupA in <i>Aspergillus niger</i> Is Involved in Controlling Gene Expression Related to Cell Wall Biosynthesis, Development, and Nitrogen Source Availability. <i>PLoS ONE</i> , 2013, 8, e78102.	2.5	19
128	Glucosylation of cell wall proteins in regenerating spheroplasts of <i>Candida albicans</i> . <i>FEMS Microbiology Letters</i> , 1995, 128, 271-277.	1.8	18
129	Dynamics of cell wall structure in <i>Saccharomyces cerevisiae</i> . <i>FEMS Microbiology Reviews</i> , 2002, 26, 239-256.	8.6	16
130	The protein kinase Kic1 affects 1,6- β -glucan levels in the cell wall of <i>Saccharomyces cerevisiae</i> . <i>Microbiology (United Kingdom)</i> , 2002, 148, 4035-4048.	1.8	15
131	Acid cell wall invertases in <i>Convolvulus callus</i> . <i>Phytochemistry</i> , 1974, 13, 1737-1740.	2.9	11
132	Accelerated Accumulation of Wall-Bound Hydroxyproline in Artificially Induced Lesions on Bean Hypocotyl Sections. <i>Zeitschrift für Pflanzenphysiologie</i> , 1983, 110, 301-307.	1.4	11
133	Molecular Organization and Construction of the Fungal Cell Wall. , 2001, , 181-200.		9
134	Comparative Analysis of Transcriptome and Fitness Profiles Reveals General and Condition-Specific Cellular Functions Involved in Adaptation to Environmental Change in <i>Saccharomyces cerevisiae</i> . <i>OMICS A Journal of Integrative Biology</i> , 2010, 14, 603-614.	2.0	8
135	Wall-bound Invertase and Other Cell Wall Hydrolases are Not Correlated With Elongation Rate in Bean Hypocotyls (<i>Phaseolus vulgaris</i> L.). <i>Zeitschrift für Pflanzenphysiologie</i> , 1982, 106, 367-370.	1.4	7
136	Ultrastructure and properties of the sexual agglutinins of the biflagellate green alga <i>Chlamydomonas moewusii</i> . <i>Sexual Plant Reproduction</i> , 1989, 2, 213-218.	2.2	7
137	Sexual agglutination in <i>Chlamydomonas</i> eugametosis mediated by a single pair of hydroxyproline-rich glycoproteins. <i>FEMS Microbiology Letters</i> , 1992, 97, 101-105.	1.8	6
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