Mark R Marten

List of Publications by Year
in descending order

58	5,054	28	54
papers	citations	h-index	g-index
		186265	161849

59	59	59	11713
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Aspergillus nidulans Septa Are Indispensable for Surviving Cell Wall Stress. Microbiology Spectrum, 2022, 10, e0206321.	3.0	2
2	Micafungin-Induced Cell Wall Damage Stimulates Morphological Changes Consistent with Microcycle Conidiation in Aspergillus nidulans. Journal of Fungi (Basel, Switzerland), 2021, 7, 525.	3.5	6
3	Discovery of treatment for nerve agents targeting a new metabolic pathway. Archives of Toxicology, 2020, 94, 3249-3264.	4.2	6
4	Dynamic Transcriptomic and Phosphoproteomic Analysis During Cell Wall Stress in Aspergillus nidulans. Molecular and Cellular Proteomics, 2020, 19, 1310-1329.	3.8	6
5	The Aspergillus fumigatus Phosphoproteome Reveals Roles of High-Osmolarity Glycerol Mitogen-Activated Protein Kinases in Promoting Cell Wall Damage and Caspofungin Tolerance. MBio, 2020, 11, .	4.1	27
6	Comprehensive Analysis of Aspergillus nidulans PKA Phosphorylome Identifies a Novel Mode of CreA Regulation. MBio, 2019, 10, .	4.1	35
7	Phosphoproteomic and transcriptomic analyses reveal multiple functions for Aspergillus nidulans MpkA independent of cell wall stress. Fungal Genetics and Biology, 2019, 125, 1-12.	2.1	7
8	A fast and simple method to estimate relative, hyphal tensileâ€strength of filamentous fungi used to assess the effect of autophagy. Biotechnology and Bioengineering, 2018, 115, 597-605.	3.3	3
9	Altered secretion patterns and cell wall organization caused by loss of PodB function in the filamentous fungus Aspergillus nidulans. Scientific Reports, 2018, 8, 11433.	3.3	6
10	Changes in tendon spatial frequency parameters with loading. Journal of Biomechanics, 2017, 57, 136-140.	2.1	9
11	Insights regarding fungal phosphoproteomic analysis. Fungal Genetics and Biology, 2017, 104, 38-44.	2.1	6
12	Decoding the Role of Serum IL-12 as a Prognostic Biomarker in Pegylated IFN-Î±-2a /Ribavirin- Treated Chronic Hepatitis C Patients Using Luminex Xmap Technology. Advanced Research in Gastroenterology & Hepatology, 2017, 2, .	0.0	0
13	Proteome Analyses of Staphylococcus aureus Biofilm at Elevated Levels of NaCl. Clinical Microbiology (Los Angeles, Calif), 2015, 04, .	0.2	20
14	Optimal control strategy for fedâ€batch enzymatic hydrolysis of lignocellulosic biomass based on epidemic modeling. Biotechnology and Bioengineering, 2015, 112, 1376-1382.	3.3	21
15	The phosphoproteome of<i>Aspergillus nidulans</i>reveals functional association with cellular processes involved in morphology and secretion. Proteomics, 2014, 14, 2454-2459.	2.2	20
16	Proteomic analysis of Staphylococcus aureus biofilm cells grown under physiologically relevant fluid shear stress conditions. Proteome Science, 2014, 12, 21.	1.7	36
17	Novel and costâ€effective 6â€plex isobaric tagging reagent, DiART, is effective for identification and relative quantification of complex protein mixtures using PQD fragmentation. Journal of Mass Spectrometry, 2013, 48, 1032-1041.	1.6	6
18	Cost-effective isobaric tagging for quantitative phosphoproteomics using DiART reagents. Molecular BioSystems, 2013, 9, 2981.	2.9	9

#	Article	IF	Citations
19	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
20	Autophagy induced by rapamycin and carbonâ€starvation have distinct proteome profiles in <i>Aspergillus nidulans</i>. Biotechnology and Bioengineering, 2011, 108, 2705-2715.	3.3	31
21	Autophagy in filamentous fungi. Fungal Genetics and Biology, 2009, 46, 1-8.	2.1	160
22	Microbial nar-GFP cell sensors reveal oxygen limitations in highly agitated and aerated laboratory-scale fermentors. Microbial Cell Factories, 2009, 8, 6.	4.0	40
23	Feast or famine: autophagy control and engineering in eukaryotic cell culture. Current Opinion in Biotechnology, 2008, 19, 518-526.	6.6	32
24	Fungal mycelia show lag time before reâ€growth on endogenous carbon. Biotechnology and Bioengineering, 2008, 100, 458-465.	3.3	36
25	Elastic Properties of the Cell Wall of Aspergillus nidulans Studied with Atomic Force Microscopy. Biotechnology Progress, 2008, 21, 292-299.	2.6	95
26	Quantifying Metabolic Activity of Filamentous Fungi Using a Colorimetric XTT Assay. Biotechnology Progress, 2008, 24, 780-783.	2.6	35
27	American Chemical Society: Division of Biochemical Technology (BIOT). Biotechnology Progress, 2008, 24, 487-487.	2.6	0
28	The state of proteome profiling in the fungal genus Aspergillus. Briefings in Functional Genomics & Proteomics, 2008, 7, 87-94.	3.8	38
29	Proteome map of Aspergillus nidulans during osmoadaptation. Fungal Genetics and Biology, 2007, 44, 886-895.	2.1	51
30	Proteomics of filamentous fungi. Trends in Biotechnology, 2007, 25, 395-400.	9.3	133
31	Proteomic Analysis of Extracellular Proteins fromEscherichiacoliW3110. Journal of Proteome Research, 2006, 5, 1155-1161.	3.7	69
32	Optical analysis of liquid mixing in a minibioreactor. Biotechnology and Bioengineering, 2006, 93, 906-911.	3.3	26
33	Protein Image Alignment via Piecewise Affine Transformations. Journal of Computational Biology, 2006, 13, 614-630.	1.6	15
34	Confocal Optical System: A Novel Noninvasive Sensor To Study Mixing. Biotechnology Progress, 2005, 21, 1531-1536.	2.6	5
35	Effect of cycle time on fungal morphology, broth rheology, and recombinant enzyme productivity during pulsed addition of limiting carbon source. Biotechnology and Bioengineering, 2005, 89, 524-529.	3.3	24
36	Proteome analysis to assess physiological changes inEscherichia coli grown under glucose-limited fed-batch conditions. Biotechnology and Bioengineering, 2005, 92, 384-392.	3.3	31

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37	Assessment of Elasticity and Topography of Aspergillus nidulans Spores via Atomic Force Microscopy. Applied and Environmental Microbiology, 2005, 71, 955-960.	3.1	58
38	Proteome Analysis of Membrane and Cell Wall Associated Proteins from <i>Staphylococcus aureus</i>. Journal of Proteome Research, 2005, 4, 250-257.	3.7	83
39	In silico reconstruction of nutrient-sensing signal transduction pathways in Aspergillus nidulans. In Silico Biology, 2004, 4, 605-31.	0.9	14
40	Pulsed feeding during fed-batch fungal fermentation leads to reduced viscosity without detrimentally affecting protein expression. Biotechnology and Bioengineering, 2003, 81, 341-347.	3.3	41
41	Pulsed addition of limiting-carbon duringAspergillus oryzae fermentation leads to improved productivity of a recombinant enzyme. Biotechnology and Bioengineering, 2003, 82, 111-117.	3.3	41
42	Using Computational Fluid Dynamics Software to Estimate Circulation Time Distributions in Bioreactors. Biotechnology Progress, 2003, 19, 1480-1486.	2.6	28
43	Pulsed Feeding during Fed-Batch Aspergillus oryzae Fermentation Leads to Improved Oxygen Mass Transfer. Biotechnology Progress, 2003, 19, 1091-1094.	2.6	24
44	Solubilization of Trichloroacetic Acid (TCA) Precipitated Microbial Proteins via NaOH for Two-Dimensional Electrophoresis. Journal of Proteome Research, 2003, 2, 89-93.	3.7	113
45	Biological Systems Engineering: An Overview. ACS Symposium Series, 2002, , 1-6.	0.5	0
46	Quantitative comparison and evaluation of two commercially available, two-dimensional electrophoresis image analysis software packages, Z3 and Melanie. Electrophoresis, 2002, 23, 2194.	2.4	110
47	Comparison of lysis methods and preparation protocols for one- and two-dimensional electrophoresis of Aspergillus oryzae intracellular proteins. Electrophoresis, 2002, 23, 2216.	2.4	54
48	Estimation of hyphal tensile strength in production-scaleAspergillus oryzae fungal fermentations. Biotechnology and Bioengineering, 2002, 77, 601-613.	3.3	44
49	Effects of Increased Impeller Power in a Production-Scale Aspergillus oryzae Fermentation. Biotechnology Progress, 2002, 18, 437-444.	2.6	45
50	Title is missing!. Biotechnology Letters, 2002, 24, 1-7.	2.2	19
51	Selection of bioprocess simulation software for industrial applications. Biotechnology and Bioengineering, 2001, 72, 483-489.	3.3	46
52	Fungal morphology and fragmentation behavior in a fed-batchAspergillus oryzae fermentation at the production scale. Biotechnology and Bioengineering, 2000, 70, 300-312.	3.3	82
53	Kinetic model for batch cellulase production by Trichoderma reesei RUT C30. Journal of Biotechnology, 1997, 54, 83-94.	3.8	46
54	Rheological, Mass Transfer, and Mixing Characterization of Cellulase-Producing Trichoderma reesei Suspensions. Biotechnology Progress, 1996, 12, 602-611.	2.6	28

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55	Effects of temperature and cycloheximide on secretion of cloned invertase from recombinant Saccharomyces cerevisiae. Biotechnology and Bioengineering, 1995, 46, 627-630.	3.3	6
56	Steady and dynamic shear characterization of cellulase-producingTrichoderma reesei suspensions. Applied Biochemistry and Biotechnology, 1995, 51-52, 319-328.	2.9	2
57	Localization of cloned invertase inSaccharomyces cerevisiae directed by theSUC2 andMFÎ±1 signal sequences. Biotechnology and Bioengineering, 1990, 35, 751-751.	3.3	0
58	A method for fractionation of cloned protein in recombinantSaccharomyces cerevisiae. Biotechnology Letters, 1989, 3, 325-328.	0.5	2