

Frank Breinig

List of Publications by Year in descending order

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31
papers

1,208
citations

516710

16
h-index

434195

31
g-index

33
all docs

33
docs citations

33
times ranked

1149
citing authors

#	ARTICLE	IF	CITATIONS
1	Yeast viral killer toxins: lethality and self-protection. <i>Nature Reviews Microbiology</i> , 2006, 4, 212-221.	28.6	266
2	The viral killer system in yeast: from molecular biology to application. <i>FEMS Microbiology Reviews</i> , 2002, 26, 257-276.	8.6	215
3	Kre1p, the Plasma Membrane Receptor for the Yeast K1 Viral Toxin. <i>Cell</i> , 2002, 108, 395-405.	28.9	117
4	RNA-directed DNA methylation and plant development require an IWR1-type transcription factor. <i>EMBO Reports</i> , 2010, 11, 65-71.	4.5	77
5	Dissecting toxin immunity in virus-infected killer yeast uncovers an intrinsic strategy of self-protection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 3810-3815.	7.1	66
6	Viral Preprotoxin Signal Sequence Allows Efficient Secretion of Green Fluorescent Protein by <i>Candida glabrata</i> , <i>Pichia pastoris</i> , <i>Saccharomyces cerevisiae</i> , and <i>Schizosaccharomyces pombe</i> . <i>Applied and Environmental Microbiology</i> , 2004, 70, 961-966.	3.1	53
7	Mutational analysis of K28 preprotoxin processing in the yeast <i>Saccharomyces cerevisiae</i> . <i>Microbiology (United Kingdom)</i> , 2002, 148, 1317-1328.	1.8	35
8	Retrotranslocation of a viral A/B toxin from the yeast endoplasmic reticulum is independent of ubiquitination and ERAD. <i>EMBO Journal</i> , 2006, 25, 4717-4727.	7.8	34
9	Yeast Kre1p is GPI-anchored and involved in both cell wall assembly and architecture. <i>Microbiology (United Kingdom)</i> , 2004, 150, 3209-3218.	1.8	33
10	Extensive MHC class I-restricted CD8 T lymphocyte responses against various yeast genera in humans. <i>FEMS Immunology and Medical Microbiology</i> , 2003, 39, 279-286.	2.7	32
11	Cell Surface Expression of Bacterial Esterase A by <i>Saccharomyces cerevisiae</i> and Its Enhancement by Constitutive Activation of the Cellular Unfolded Protein Response. <i>Applied and Environmental Microbiology</i> , 2006, 72, 7140-7147.	3.1	32
12	H/KDEL receptors mediate host cell intoxication by a viral A/B toxin in yeast. <i>Scientific Reports</i> , 2016, 6, 31105.	3.3	28
13	Uptake of various yeast genera by antigen-presenting cells and influence of subcellular antigen localization on the activation of ovalbumin-specific CD8 T lymphocytes. <i>Vaccine</i> , 2011, 29, 8165-8173.	3.8	24
14	Heat treatment improves antigen-specific T cell activation after protein delivery by several but not all yeast genera. <i>Vaccine</i> , 2014, 32, 2591-2598.	3.8	20
15	Specific activation of CMV-primed human T lymphocytes by cytomegalovirus pp65 expressed in fission yeast. <i>FEMS Immunology and Medical Microbiology</i> , 2003, 38, 231-239.	2.7	19
16	Maturation and cytokine pattern of human dendritic cells in response to different yeasts. <i>Medical Microbiology and Immunology</i> , 2018, 207, 75-81.	4.8	19
17	Surface-modified yeast cells: A novel eukaryotic carrier for oral application. <i>Journal of Controlled Release</i> , 2016, 224, 1-7.	9.9	18
18	Yeast-mediated mRNA delivery polarizes immuno-suppressive macrophages towards an immuno-stimulatory phenotype. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 117, 1-13.	4.3	18

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19	Yeast (<i>Saccharomyces cerevisiae</i>) Polarizes Both M-CSF- and GM-CSF-Differentiated Macrophages Toward an M1-Like Phenotype. <i>Inflammation</i> , 2016, 39, 1690-1703.	3.8	15
20	Expression of K1 Toxin Derivatives in <i>Saccharomyces cerevisiae</i> Mimics Treatment with Exogenous Toxin and Provides a Useful Tool for Elucidating K1 Mechanisms of Action and Immunity. <i>Toxins</i> , 2017, 9, 345.	3.4	15
21	The viral killer system in yeast: from molecular biology to application. <i>FEMS Microbiology Reviews</i> , 2002, 26, 257-276.	8.6	14
22	Yeast-based protein delivery to mammalian phagocytic cells is increased by coexpression of bacterial listeriolysin. <i>Microbes and Infection</i> , 2011, 13, 908-913.	1.9	10
23	Targeted delivery of functionalized PLGA nanoparticles to macrophages by complexation with the yeast <i>Saccharomyces cerevisiae</i> . <i>Biotechnology and Bioengineering</i> , 2020, 117, 776-788.	3.3	9
24	Yeast Viral Killer Toxin K1 Induces Specific Host Cell Adaptions via Intrinsic Selection Pressure. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	8
25	<i>Schizosaccharomyces pombe</i> : A novel transport vehicle of functional DNA and mRNA into mammalian antigen-presenting cells. <i>Vaccine</i> , 2014, 32, 6029-6033.	3.8	7
26	Substitution of cysteines in the yeast viral killer toxin K1 precursor reveals novel insights in heterodimer formation and immunity. <i>Scientific Reports</i> , 2019, 9, 13127.	3.3	6
27	mRNA Delivery to Human Dendritic Cells by Recombinant Yeast and Activation of Antigen-Specific Memory T Cells. <i>Methods in Molecular Biology</i> , 2013, 969, 163-184.	0.9	5
28	Transcriptome Kinetics of <i>Saccharomyces cerevisiae</i> in Response to Viral Killer Toxin K1. <i>Frontiers in Microbiology</i> , 2019, 10, 1102.	3.5	5
29	Analysis of Yeast Killer Toxin K1 Precursor Processing via Site-Directed Mutagenesis: Implications for Toxicity and Immunity. <i>MSphere</i> , 2020, 5, .	2.9	4
30	<i>S. cerevisiae</i> K28 toxin is a secreted virus toxin of the A/B family of protein toxins. <i>Topics in Current Genetics</i> , 2004, , 111-132.	0.7	3
31	Adding phosphorylation events to the core oscillator driving the cell cycle of fission yeast. <i>PLoS ONE</i> , 2018, 13, e0208515.	2.5	1