

David E Levin

List of Publications by Year in descending order

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60
papers

9,284
citations

117625

34
h-index

144013

57
g-index

74
all docs

74
docs citations

74
times ranked

5049
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell Wall Integrity Signaling in <i>Saccharomyces cerevisiae</i> . <i>Microbiology and Molecular Biology Reviews</i> , 2005, 69, 262-291.	6.6	985
2	A new <i>Salmonella</i> tester strain (TA102) with A X T base pairs at the site of mutation detects oxidative mutagens.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1982, 79, 7445-7449.	7.1	729
3	Regulation of Cell Wall Biogenesis in <i>Saccharomyces cerevisiae</i> : The Cell Wall Integrity Signaling Pathway. <i>Genetics</i> , 2011, 189, 1145-1175.	2.9	698
4	Naturally occurring carbonyl compounds are mutagens <i>Salmonella</i> tester strain TA104. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1985, 148, 25-34.	1.0	532
5	The protein kinase C-activated MAP kinase pathway of <i>Saccharomyces cerevisiae</i> mediates a novel aspect of the heat shock response.. <i>Genes and Development</i> , 1995, 9, 1559-1571.	5.9	459
6	Identification of Yeast Rho1p GTPase as a Regulatory Subunit of 1,3- β -Glucan Synthase. <i>Science</i> , 1996, 272, 279-281.	12.6	449
7	A candidate protein kinase C gene, PKC1, is required for the <i>S. cerevisiae</i> cell cycle. <i>Cell</i> , 1990, 62, 213-224.	28.9	443
8	Mutants in the <i>S. cerevisiae</i> PKC1 gene display a cell cycle-specific osmotic stability defect.. <i>Journal of Cell Biology</i> , 1992, 116, 1221-1229.	5.2	401
9	Genome-wide analysis of gene expression regulated by the yeast cell wall integrity signalling pathway. <i>Molecular Microbiology</i> , 1999, 34, 1049-1057.	2.5	384
10	Mutagenicity of quinones: pathways of metabolic activation and detoxification.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1984, 81, 1696-1700.	7.1	357
11	Wsc1 and Mid2 Are Cell Surface Sensors for Cell Wall Integrity Signaling That Act through Rom2, a Guanine Nucleotide Exchange Factor for Rho1. <i>Molecular and Cellular Biology</i> , 2001, 21, 271-280.	2.3	288
12	Activation of Yeast Protein Kinase C by Rho1 GTPase. <i>Journal of Biological Chemistry</i> , 1996, 271, 9193-9196.	3.4	275
13	A conserved kinase cascade for MAP kinase activation in yeast. <i>Current Opinion in Cell Biology</i> , 1993, 5, 254-260.	5.4	268
14	The proliferation of MAP kinase signaling pathways in yeast. <i>Current Opinion in Cell Biology</i> , 1995, 7, 197-202.	5.4	251
15	A Second Osmosensing Signal Transduction Pathway in Yeast. <i>Journal of Biological Chemistry</i> , 1995, 270, 30157-30161.	3.4	250
16	A role for the Pkc1 MAP kinase pathway of <i>Saccharomyces cerevisiae</i> in bud emergence and identification of a putative upstream regulator. <i>EMBO Journal</i> , 1997, 16, 4924-4937.	7.8	220
17	Regulation of the yeast Rlm1 transcription factor by the Mpk1 cell wall integrity MAP kinase. <i>Molecular Microbiology</i> , 2002, 46, 781-789.	2.5	209
18	Temperature-Induced Expression of Yeast <i>FKS2</i> Is under the Dual Control of Protein Kinase C and Calcineurin. <i>Molecular and Cellular Biology</i> , 1998, 18, 1013-1022.	2.3	198

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19	Mid2 Is a Putative Sensor for Cell Integrity Signaling in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 1999, 19, 3969-3976.	2.3	191
20	A new Salmonella tester strain, TA97, for the detection of frameshift mutagens. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1982, 94, 315-330.	1.0	179
21	Dynamics and organization of MAP kinase signal pathways. <i>Molecular Reproduction and Development</i> , 1995, 42, 477-485.	2.0	133
22	Classifying mutagens as to their specificity in causing the six possible transitions and transversions: A simple analysis using the salmonella mutagenicity assay. <i>Environmental Mutagenesis</i> , 1986, 8, 9-28.	1.4	118
23	Target sequences for mutagenesis in <i>Salmonella</i> histidine-requiring mutants. <i>Environmental Mutagenesis</i> , 1986, 8, 631-641.	1.4	114
24	Yeast Mpk1 Mitogen-Activated Protein Kinase Activates Transcription through Swi4/Swi6 by a Noncatalytic Mechanism That Requires Upstream Signal. <i>Molecular and Cellular Biology</i> , 2008, 28, 2579-2589.	2.3	108
25	MAPK Hog1 closes the <i>S. cerevisiae</i> glycerol channel Fps1 by phosphorylating and displacing its positive regulators. <i>Genes and Development</i> , 2013, 27, 2590-2601.	5.9	102
26	Structural features of nitroaromatics that determine mutagenic activity in salmonella typhimurium. <i>Environmental Mutagenesis</i> , 1984, 6, 797-811.	1.4	92
27	Mpk1 MAPK Association with the Paf1 Complex Blocks Sen1-Mediated Premature Transcription Termination. <i>Cell</i> , 2011, 144, 745-756.	28.9	88
28	Identification of Positive Regulators of the Yeast Fps1 Glycerol Channel. <i>PLoS Genetics</i> , 2009, 5, e1000738.	3.5	87
29	A pair of putative protein kinase genes (YPK1 and YPK2) is required for cell growth in <i>Saccharomyces cerevisiae</i> . <i>Molecular Genetics and Genomics</i> , 1993, 236-236, 443-447.	2.4	66
30	Yeast Ras Regulates the Complex that Catalyzes the First Step in GPI-Anchor Biosynthesis at the ER. <i>Cell</i> , 2004, 117, 637-648.	28.9	63
31	Mechanism of Mpk1 Mitogen-Activated Protein Kinase Binding to the Swi4 Transcription Factor and Its Regulation by a Novel Caffeine-Induced Phosphorylation. <i>Molecular and Cellular Biology</i> , 2009, 29, 6449-6461.	2.3	47
32	Yeast Mpk1 Cell Wall Integrity Mitogen-activated Protein Kinase Regulates Nucleocytoplasmic Shuttling of the Swi6 Transcriptional Regulator. <i>Molecular Biology of the Cell</i> , 2010, 21, 1609-1619.	2.1	47
33	[29] Detection of oxidative mutagens with a new Salmonella tester strain (TA102). <i>Methods in Enzymology</i> , 1984, 105, 249-254.	1.0	44
34	A Novel Ras Inhibitor, Eri1, Engages Yeast Ras at the Endoplasmic Reticulum. <i>Molecular and Cellular Biology</i> , 2003, 23, 4983-4990.	2.3	35
35	Mutational analysis of the cytoplasmic domain of the Wsc1 cell wall stress sensor. <i>Microbiology (United Kingdom)</i> , 2004, 150, 3281-3288.	1.8	32
36	Gpi19, the <i>Saccharomyces cerevisiae</i> Homologue of Mammalian PIG-P, Is a Subunit of the Initial Enzyme for Glycosylphosphatidylinositol Anchor Biosynthesis. <i>Eukaryotic Cell</i> , 2005, 4, 1801-1807.	3.4	28

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37	Intracellular mechanism by which arsenite activates the yeast stress MAPK Hog1. <i>Molecular Biology of the Cell</i> , 2018, 29, 1904-1915.	2.1	28
38	HTL1 Encodes a Novel Factor That Interacts with the RSC Chromatin Remodeling Complex in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 2002, 22, 8165-8174.	2.3	27
39	Mutagenicity of fluorene derivatives: A proposed mechanism. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1979, 63, 1-10.	1.0	25
40	Transcriptional reporters for genes activated by cell wall stress through a non-catalytic mechanism involving Mpk1 and SBF. <i>Yeast</i> , 2010, 27, 541-548.	1.7	24
41	Stressing out or stressing in: intracellular pathways for SAPK activation. <i>Current Genetics</i> , 2019, 65, 417-421.	1.7	24
42	Yeast Rpi1 Is a Putative Transcriptional Regulator That Contributes to Preparation for Stationary Phase. <i>Eukaryotic Cell</i> , 2002, 1, 56-65.	3.4	21
43	Intracellular mechanism by which genotoxic stress activates yeast SAPK Mpk1. <i>Molecular Biology of the Cell</i> , 2018, 29, 2898-2909.	2.1	19
44	Dissecting the transcriptional activation function of the cell wall integrity MAP kinase. <i>Yeast</i> , 2007, 24, 335-342.	1.7	18
45	Yeast Fps1 glycerol facilitator functions as a homotetramer. <i>Yeast</i> , 2011, 28, 815-819.	1.7	18
46	Light-enhanced genetic toxicity of crystal violet. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1982, 103, 283-288.	1.1	15
47	Light-induced genetic toxicity of thimerosal and benzalkonium chloride in commercial contact lens solutions. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1982, 101, 11-18.	1.2	14
48	Puupehenone, a Marine-Sponge-Derived Sesquiterpene Quinone, Potentiates the Antifungal Drug Caspofungin by Disrupting Hsp90 Activity and the Cell Wall Integrity Pathway. <i>MSphere</i> , 2020, 5, .	2.9	13
49	Modified fluctuation test for the direct detection of mutagens in foods with <i>Salmonella typhimurium</i> TA98. <i>Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology</i> , 1981, 85, 309-321.	0.4	11
50	Mutants in the <i>Candida glabrata</i> Glycerol Channels Are Sensitized to Cell Wall Stress. <i>Eukaryotic Cell</i> , 2012, 11, 1512-1519.	3.4	11
51	Methylated metabolite of arsenite blocks glycerol production in yeast by inhibition of glycerol-3-phosphate dehydrogenase. <i>Molecular Biology of the Cell</i> , 2019, 30, 2134-2140.	2.1	10
52	Crosstalk between <i>Saccharomyces cerevisiae</i> SAPKs Hog1 and Mpk1 is mediated by glycerol accumulation. <i>Fungal Biology</i> , 2020, 124, 361-367.	2.5	9
53	Evidence against the existence of the purported <i>Saccharomyces cerevisiae</i> PKC2 gene. <i>Current Biology</i> , 1994, 4, 990-995.	3.9	6
54	Rgc2 Regulator of Glycerol Channel Fps1 Functions as a Homo- and Heterodimer with Rgc1. <i>Eukaryotic Cell</i> , 2015, 14, 719-725.	3.4	4

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55	Regulation of Pkc1 Hyper-Phosphorylation by Genotoxic Stress. Journal of Fungi (Basel, Switzerland), 2021, 7, 874.	3.5	4
56	Differential metabolism of arsenicals regulates Fps1-mediated arsenite transport. Journal of Cell Biology, 2022, 221, .	5.2	2
57	Chapter 2 The Nâ€Acetylglucosamineâ€PI Transfer Reaction, the GlcNAcâ€PI Transferase Complex, and Its Regulation. The Enzymes, 2009, , 31-47.	1.7	1
58	Bck1. , 1995, , 293-294.		0
59	Mpk1. , 1995, , 227-228.		0
60	ScPKC. , 1995, , 93-94.		0