

Marti Aldea

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6563722/publications.pdf>

Version: 2024-02-01

69
papers

4,583
citations

172457

29
h-index

128289

60
g-index

74
all docs

74
docs citations

74
times ranked

4551
citing authors

#	ARTICLE	IF	CITATIONS
1	New method for generating deletions and gene replacements in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 1989, 171, 4617-4622.	2.2	713
2	A Set of Vectors with a Tetracycline-Regulatable Promoter System for Modulated Gene Expression in <i>Saccharomyces cerevisiae</i> . , 1997, 13, 837-848.		555
3	An activator/repressor dual system allows tight tetracycline-regulated gene expression in budding yeast [published erratum appears in <i>Nucleic Acids Res</i> 1998 Apr 1;26(7):following 1855]. <i>Nucleic Acids Research</i> , 1998, 26, 942-947.	14.5	251
4	The critical size is set at a single-cell level by growth rate to attain homeostasis and adaptation. <i>Nature Communications</i> , 2012, 3, 1012.	12.8	170
5	1,25-Dihydroxyvitamin D3 stimulates vascular smooth muscle cell proliferation through a VEGF-mediated pathway. <i>Kidney International</i> , 2006, 69, 1377-1384.	5.2	164
6	The Cln3 cyclin is down-regulated by translational repression and degradation during the G1 arrest caused by nitrogen deprivation in budding yeast. <i>EMBO Journal</i> , 1997, 16, 7196-7206.	7.8	160
7	1,25-Dihydroxyvitamin D3 regulates VEGF production through a vitamin D response element in the VEGF promoter. <i>Atherosclerosis</i> , 2009, 204, 85-89.	0.8	151
8	Functional analysis of yeast essential genes using a promoter-substitution cassette and the tetracycline-regulatable dual expression system. <i>Yeast</i> , 1998, 14, 1127-1138.	1.7	140
9	Phosphorylation of Hsl1 by Hog1 leads to a G2 arrest essential for cell survival at high osmolarity. <i>EMBO Journal</i> , 2006, 25, 2338-2346.	7.8	127
10	Identification, cloning, and expression of <i>bolA</i> , an <i>ftsZ</i> -dependent morphogene of <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 1988, 170, 5169-5176.	2.2	126
11	Cyclin Cln3 Is Retained at the ER and Released by the J Chaperone Ydj1 in Late G1 to Trigger Cell Cycle Entry. <i>Molecular Cell</i> , 2007, 26, 649-662.	9.7	101
12	Whi3 binds the mRNA of the G ₁ cyclin <i>CLN3</i> to modulate cell fate in budding yeast. <i>Genes and Development</i> , 2001, 15, 2803-2808.	5.9	96
13	Interaction of FtsA and PBP3 proteins in the <i>Escherichia coli</i> septum. <i>Journal of Bacteriology</i> , 1986, 166, 985-992.	2.2	94
14	The role of the <i>σ⁷⁰</i> in the transcription of essential genes. <i>Molecular Microbiology</i> , 1991, 5, 2085-2091.	2.5	89
15	Osmotic stress causes a G1 cell cycle delay and downregulation of Cln3/Cdc28 activity in <i>Saccharomyces cerevisiae</i> . <i>Molecular Microbiology</i> , 2001, 39, 1022-1035.	2.5	86
16	G1 cyclins block the <i>Ime1</i> pathway to make mitosis and meiosis incompatible in budding yeast. <i>EMBO Journal</i> , 1999, 18, 320-329.	7.8	84
17	Preferential cytoplasmic location of FtsZ, a protein essential for <i>Escherichia coli</i> septation. <i>Molecular Microbiology</i> , 1991, 5, 1681-1686.	2.5	82
18	The AFT1 Transcriptional Factor is Differentially Required for Expression of High-Affinity Iron Uptake Genes in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 1997, 13, 621-637.	1.7	82

#	ARTICLE	IF	CITATIONS
19	Basic Helix-Loop-Helix Proteins Bind to <i>TrkB</i> and <i>p21^{Cip1}</i> Promoters Linking Differentiation and Cell Cycle Arrest in Neuroblastoma Cells. <i>Molecular and Cellular Biology</i> , 2004, 24, 2662-2672.	2.3	79
20	The Yeast Ser/Thr Phosphatases Sit4 and Ppz1 Play Opposite Roles in Regulation of the Cell Cycle. <i>Molecular and Cellular Biology</i> , 1999, 19, 2408-2415.	2.3	78
21	Recruitment of Cdc28 by Whi3 restricts nuclear accumulation of the G1 cyclin-Cdk complex to late G1. <i>EMBO Journal</i> , 2004, 23, 180-190.	7.8	72
22	An efficient method to isolate yeast genes causing overexpression-mediated growth arrest. <i>Yeast</i> , 1995, 11, 25-32.	1.7	70
23	The transcriptional network activated by Cln3 cyclin at the G1-to-S transition of the yeast cell cycle. <i>Genome Biology</i> , 2010, 11, R67.	9.6	66
24	The nucleotide sequence of <i>Saccharomyces cerevisiae</i> chromosome XV. <i>Nature</i> , 1997, 387, 98-102.	27.8	54
25	Compartmentalization of ER-Bound Chaperone Confines Protein Deposit Formation to the Aging Yeast Cell. <i>Current Biology</i> , 2017, 27, 773-783.	3.9	54
26	Biogenesis of Yeast Telomerase Depends on the Importin Mtr10. <i>Molecular and Cellular Biology</i> , 2002, 22, 6046-6055.	2.3	50
27	A Whi7-Anchored Loop Controls the G1 Cdk-Cyclin Complex at Start. <i>Molecular Cell</i> , 2014, 53, 115-126.	9.7	46
28	Transcript mapping using [³⁵ S]DNA probes, trichloroacetate solvent and dideoxy sequencing ladders: a rapid method for identification of transcriptional start points. <i>Gene</i> , 1988, 65, 101-110.	2.2	45
29	<i>p21WAF1/Cip1</i> expression is associated with cell differentiation but not with p53 mutations in squamous cell carcinomas of the larynx. , 1997, 183, 156-163.		44
30	Whi3, a Developmental Regulator of Budding Yeast, Binds a Large Set of mRNAs Functionally Related to the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2008, 283, 28670-28679.	3.4	44
31	The <i>umpA</i> gene of <i>Escherichia coli</i> encodes phosphatidylglycerol:prolipoprotein diacylglycerol transferase (lgt) and regulates thymidylate synthase levels through translational coupling. <i>Journal of Bacteriology</i> , 1995, 177, 1879-1882.	2.2	38
32	Protein Kinase KIS Localizes to RNA Granules and Enhances Local Translation. <i>Molecular and Cellular Biology</i> , 2009, 29, 726-735.	2.3	34
33	Growth Rate as a Direct Regulator of the Start Network to Set Cell Size. <i>Frontiers in Cell and Developmental Biology</i> , 2017, 5, 57.	3.7	34
34	Phosphate-Activated Cyclin-Dependent Kinase Stabilizes G ₁ Cyclin To Trigger Cell Cycle Entry. <i>Molecular and Cellular Biology</i> , 2013, 33, 1273-1284.	2.3	29
35	Nucleosome architecture throughout the cell cycle. <i>Scientific Reports</i> , 2016, 6, 19729.	3.3	29
36	<i>Escherichia coli mrsC</i> Is an Allele of <i>hflB</i> , Encoding a Membrane-Associated ATPase and Protease That Is Required for mRNA Decay. <i>Journal of Bacteriology</i> , 1998, 180, 1929-1938.	2.2	29

#	ARTICLE	IF	CITATIONS
37	TOR Regulates the Subcellular Localization of Ime1, a Transcriptional Activator of Meiotic Development in Budding Yeast. <i>Molecular and Cellular Biology</i> , 2003, 23, 7415-7424.	2.3	28
38	Bck2 is a phase-independent activator of cell cycle-regulated genes in yeast. <i>Cell Cycle</i> , 2009, 8, 239-252.	2.6	28
39	Proteostasis collapse, a hallmark of aging, hinders the chaperone-Start network and arrests cells in G1. <i>ELife</i> , 2019, 8, .	6.0	28
40	Coupling between DNA replication and cell division mediated by the FtsA protein in <i>Escherichia coli</i> : a pathway independent of the SOS response, the "TER" pathway. <i>Journal of Bacteriology</i> , 1985, 164, 950-953.	2.2	27
41	Cyclin D1 interacts and collaborates with Ral GTPases enhancing cell detachment and motility. <i>Oncogene</i> , 2011, 30, 1936-1946.	5.9	25
42	KIS, a Kinase Associated with Microtubule Regulators, Enhances Translation of AMPA Receptors and Stimulates Dendritic Spine Remodeling. <i>Journal of Neuroscience</i> , 2014, 34, 13988-13997.	3.6	24
43	Cdc48/p97 segregase is modulated by cyclin-dependent kinase to determine cyclin fate during G1 progression. <i>EMBO Journal</i> , 2018, 37, .	7.8	24
44	Inntags: small self-structured epitopes for innocuous protein tagging. <i>Nature Methods</i> , 2015, 12, 955-958.	19.0	22
45	Generation of a detailed physical and genetic map of the <i>ilv-metE-udp</i> region of the <i>Escherichia coli</i> chromosome. <i>Journal of Molecular Biology</i> , 1988, 200, 427-438.	4.2	20
46	Control of Cell Cycle and Cell Growth by Molecular Chaperones. <i>Cell Cycle</i> , 2007, 6, 2599-2603.	2.6	19
47	XV. Yeast sequencing reports. DNA sequence analysis of a 13 kbp fragment of the left arm of yeast chromosome XV containing seven new open reading frames. <i>Yeast</i> , 1995, 11, 1281-1288.	1.7	14
48	Stress granules display bistable dynamics modulated by Cdk. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	14
49	Structural inhibition and reactivation of <i>Escherichia coli</i> septation by elements of the SOS and TER pathways. <i>Journal of Bacteriology</i> , 1987, 169, 1772-1776.	2.2	13
50	Transloklin (Cep57) Interacts with Cyclin D1 and Prevents Its Nuclear Accumulation in Quiescent Fibroblasts. <i>Traffic</i> , 2011, 12, 549-562.	2.7	13
51	Competition in the chaperone-client network subordinates cell-cycle entry to growth and stress. <i>Life Science Alliance</i> , 2019, 2, e201800277.	2.8	13
52	Whi5 is diluted and protein synthesis does not dramatically increase in pre-Start G1. <i>Molecular Biology of the Cell</i> , 2022, 33, 1t1.	2.1	13
53	On the chronology and topography of bacterial cell division. <i>Research in Microbiology</i> , 1991, 142, 253-257.	2.1	12
54	Whi3 regulates morphogenesis in budding yeast by enhancing Cdk functions in apical growth. <i>Cell Cycle</i> , 2009, 8, 1912-1920.	2.6	11

#	ARTICLE	IF	CITATIONS
55	Mixed Lineage Kinase Phosphorylates Transcription Factor E47 and Inhibits TrkB Expression to Link Neuronal Death and Survival Pathways. <i>Journal of Biological Chemistry</i> , 2009, 284, 32980-32988.	3.4	10
56	Gearbox gene expression and growth rate. <i>World Journal of Microbiology and Biotechnology</i> , 1993, 9, 414-420.	3.6	8
57	Proteostatic stress as a nodal hallmark of replicative aging. <i>Experimental Cell Research</i> , 2020, 394, 112163.	2.6	8
58	Constancy of diameter through the cell cycle of <i>Salmonella typhimurium</i> LT2. <i>Current Microbiology</i> , 1982, 7, 165-168.	2.2	7
59	XV. Yeast sequencing reports. Sequence analysis of a 9873 bp fragment of the left arm of yeast chromosome XV that contains the ARG8 and CDC33 genes, a putative riboflavin synthase beta chain gene, and four new open reading frames. <i>Yeast</i> , 1995, 11, 1061-1067.	1.7	6
60	Sequence analysis of a 13.4 kbp fragment from the left arm of chromosome XV reveals a malate dehydrogenase gene, a putative Ser/Thr protein kinase, the ribosomal L25 gene and four new open reading frames. <i>Yeast</i> , 1996, 12, 1013-1020.	1.7	6
61	CLONING: a microcomputer program for cloning simulations. <i>Gene</i> , 1988, 65, 111-116.	2.2	4
62	Analysis of the DNA sequence of a 15,500 bp fragment near the left telomere of chromosome XV from <i>Saccharomyces cerevisiae</i> reveals a putative sugar transporter, a carboxypeptidase homologue and two new open reading frames. <i>Yeast</i> , 1996, 12, 709-714.	1.7	4
63	Sequence analysis of a 12 801 bp fragment of the left arm of yeast chromosome XV containing a putative 6-phosphofructo-2-kinase gene, a gene for a possible glycosphospholipid-anchored surface protein and six other open reading frames. <i>Yeast</i> , 1996, 12, 1053-1058.	1.7	4
64	Segregation of elongation potential in <i>Escherichia coli</i> mediated by the <i>wee</i> genetic system. <i>Current Microbiology</i> , 1988, 17, 315-319.	2.2	3
65	Coincidence Analysis of Molecular Dynamics by Raster Image Correlation Spectroscopy. <i>Methods in Molecular Biology</i> , 2019, 2040, 375-384.	0.9	3
66	Instructions for the CLONING program. <i>Gene</i> , 1988, 65, 117-122.	2.2	2
67	A standardized format for handling data on plasmids, viruses and transposons: The PVT database format. <i>World Journal of Microbiology and Biotechnology</i> , 1992, 8, 519-526.	3.6	1
68	Centromeric signaling proteins boost G1 cyclin degradation and modulate cell size in budding yeast. <i>PLoS Biology</i> , 2018, 16, e2005388.	5.6	1
69	Mad3 modulates the G ₁ Cdk and acts as a timer in the Start network. <i>Science Advances</i> , 2022, 8, eabm4086.	10.3	1