

Hisao Moriya

List of Publications by Year in descending order

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42
papers

1,671
citations

394421

19
h-index

330143

37
g-index

48
all docs

48
docs citations

48
times ranked

2391
citing authors

#	ARTICLE	IF	CITATIONS
1	Glucose sensing and signaling in <i>Saccharomyces cerevisiae</i> through the Rgt2 glucose sensor and casein kinase I. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 1572-1577.	7.1	208
2	Yak1p, a DYRK family kinase, translocates to the nucleus and phosphorylates yeast Pop2p in response to a glucose signal. <i>Genes and Development</i> , 2001, 15, 1217-1228.	5.9	138
3	Identification of dosage-sensitive genes in <i>Saccharomyces cerevisiae</i> using the genetic tug-of-war method. <i>Genome Research</i> , 2013, 23, 300-311.	5.5	125
4	Distinct mechanisms for spiro-carbon formation reveal biosynthetic pathway crosstalk. <i>Nature Chemical Biology</i> , 2013, 9, 818-825.	8.0	123
5	Quantitative nature of overexpression experiments. <i>Molecular Biology of the Cell</i> , 2015, 26, 3932-3939.	2.1	120
6	A Genome-Wide Activity Assessment of Terminator Regions in <i>Saccharomyces cerevisiae</i> Provides a "Terminator" Toolbox. <i>ACS Synthetic Biology</i> , 2013, 2, 337-347.	3.8	117
7	In Vivo Robustness Analysis of Cell Division Cycle Genes in <i>Saccharomyces cerevisiae</i> . <i>PLoS Genetics</i> , 2006, 2, e111.	3.5	94
8	Integration of Transcriptional and Posttranslational Regulation in a Glucose Signal Transduction Pathway in <i>Saccharomyces cerevisiae</i> . <i>Eukaryotic Cell</i> , 2006, 5, 167-173.	3.4	81
9	Post-Translational Dosage Compensation Buffers Genetic Perturbations to Stoichiometry of Protein Complexes. <i>PLoS Genetics</i> , 2017, 13, e1006554.	3.5	67
10	Establishing a New Methodology for Genome Mining and Biosynthesis of Polyketides and Peptides through Yeast Molecular Genetics. <i>ChemBioChem</i> , 2012, 13, 846-854.	2.6	65
11	A comprehensive molecular interaction map of the budding yeast cell cycle. <i>Molecular Systems Biology</i> , 2010, 6, 415.	7.2	62
12	Aneuploid proliferation defects in yeast are not driven by copy number changes of a few dosage-sensitive genes. <i>Genes and Development</i> , 2015, 29, 898-903.	5.9	55
13	Inhibition of nuclear factor κ B by κ B superrepressor gene transfer ameliorates ischemia-reperfusion injury after experimental lung transplantation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2005, 130, 194-201.	0.8	54
14	Cellular growth defects triggered by an overload of protein localization processes. <i>Scientific Reports</i> , 2016, 6, 31774.	3.3	47
15	Estimating the protein burden limit of yeast cells by measuring the expression limits of glycolytic proteins. <i>ELife</i> , 2018, 7, .	6.0	46
16	Analysis of genetic interactions between DHH1, SSD1 and ELM1 indicates their involvement in cellular morphology determination in <i>Saccharomyces cerevisiae</i> . , 1999, 15, 481-496.		42
17	Fragilities Caused by Dosage Imbalance in Regulation of the Budding Yeast Cell Cycle. <i>PLoS Genetics</i> , 2010, 6, e1000919.	3.5	33
18	Plasmid Construction Using Recombination Activity in the Fission Yeast <i>Schizosaccharomyces pombe</i> . <i>PLoS ONE</i> , 2010, 5, e9652.	2.5	27

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19	Robustness analysis of cellular systems using the genetic tug-of-war method. <i>Molecular BioSystems</i> , 2012, 8, 2513.	2.9	22
20	Cloning and characterization of the hrpA gene in the hcr region of <i>Escherichia coli</i> that is highly similar to the DEAH family RNA helicase genes of <i>Saccharomyces cerevisiae</i> . <i>Nucleic Acids Research</i> , 1995, 23, 595-598.	14.5	21
21	Development of an experimental method of systematically estimating protein expression limits in HEK293 cells. <i>Scientific Reports</i> , 2020, 10, 4798.	3.3	20
22	Overexpression limits of fission yeast cell cycle regulators <i>in vivo</i> and <i>in silico</i> . <i>Molecular Systems Biology</i> , 2011, 7, 556.	7.2	14
23	Genetic Analysis of Signal Generation by the Rgt2 Glucose Sensor of <i>Saccharomyces cerevisiae</i> . <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 2685-2696.	1.8	13
24	Assessing phagotrophy in the mixotrophic ciliate <i>Paramecium bursaria</i> using GFP-expressing yeast cells. <i>FEMS Microbiology Letters</i> , 2017, 364, .	1.8	9
25	Genetic profiling of protein burden and nuclear export overload. <i>ELife</i> , 2020, 9, .	6.0	8
26	Evaluation of the lower protein limit in the budding yeast <i>Saccharomyces cerevisiae</i> using TIPI-gTOW. <i>BMC Systems Biology</i> , 2014, 8, 2.	3.0	7
27	Comparative Gene Analysis Focused on Silica Cell Wall Formation: Identification of Diatom-Specific SET Domain Protein Methyltransferases. <i>Marine Biotechnology</i> , 2020, 22, 551-563.	2.4	7
28	Yeast screening system reveals the inhibitory mechanism of cancer cell proliferation by benzyl isothiocyanate through down-regulation of Mis12. <i>Scientific Reports</i> , 2019, 9, 8866.	3.3	5
29	N-terminal deletion of Swi3 created by the deletion of a dubious ORF YJL175W mitigates protein burden effect in <i>S. cerevisiae</i> . <i>Scientific Reports</i> , 2020, 10, 9500.	3.3	5
30	A Robustness Analysis of Eukaryotic Cell Cycle concerning Cdc25 and Wee1 Proteins. , 2006, , .		5
31	Massive expression of cysteine-containing proteins causes abnormal elongation of yeast cells by perturbing the proteasome. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	1.8	5
32	A robustness analysis of eukaryotic cell cycle concerning Cdc25 and wee1 proteins. , 2006, , .		4
33	Relationships between Cell Cycle Regulator Gene Copy Numbers and Protein Expression Levels in <i>Schizosaccharomyces pombe</i> . <i>PLoS ONE</i> , 2013, 8, e73319.	2.5	4
34	Small Toxic Protein Encoded on Chromosome VII of <i>Saccharomyces cerevisiae</i> . <i>PLoS ONE</i> , 2015, 10, e0120678.	2.5	4
35	Exploring the Complexity of Protein-Level Dosage Compensation that Fine-Tunes Stoichiometry of Multiprotein Complexes. <i>PLoS Genetics</i> , 2020, 16, e1009091.	3.5	3
36	The expression level and cytotoxicity of green fluorescent protein are modulated by an additional N-terminal sequence. <i>AIMS Biophysics</i> , 2020, 7, 121-132.	0.6	3

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37	Parallel Real-Time PCR on a Chip for Genetic Tug-of-War (gTOW) Method. <i>Analytical Sciences</i> , 2013, 29, 367-371.	1.6	2
38	Completing SBN-AF Networks by Logic-Based Hypothesis Finding. <i>Lecture Notes in Computer Science</i> , 2014, , 165-179.	1.3	2
39	Identification of uncharacterized proteins potentially localized to mitochondria (LIPMs) in <i>Saccharomyces cerevisiae</i> using a fluorescent protein unstable in the cytoplasm. <i>Yeast</i> , 2021, , .	1.7	2
40	Cell Cycle Analysis, Systematic Gene Overexpression. , 2013, , 247-249.		0
41	Measuring the Copy Number Limits of All Genes in Yeast. <i>Seibutsu Butsuri</i> , 2013, 53, 323-325.	0.1	0
42	Genetic Profiling of Resource Overload. <i>Seibutsu Butsuri</i> , 2022, 62, 134-136.	0.1	0