

Jun-Yi Leu

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

2,057
citations

304743

22
h-index

265206

42
g-index

52
all docs

52
docs citations

52
times ranked

2517
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein Complexes Form a Basis for Complex Hybrid Incompatibility. <i>Frontiers in Genetics</i> , 2021, 12, 609766.	2.3	13
2	Breaking a species barrier by enabling hybrid recombination. <i>Current Biology</i> , 2021, 31, R180-R181.	3.9	28
3	Plastic Rewiring of Sef1 Transcriptional Networks and the Potential of Nonfunctional Transcription Factor Binding in Facilitating Adaptive Evolution. <i>Molecular Biology and Evolution</i> , 2021, 38, 4732-4747.	8.9	9
4	iTARGETX analysis of yeast deletome reveals novel regulators of transcriptional buffering in S phase and protein turnover. <i>Nucleic Acids Research</i> , 2021, 49, 7318-7329.	14.5	2
5	Experimental evolution improves mitochondrial genome quality control in <i>Saccharomyces cerevisiae</i> and extends its replicative lifespan. <i>Current Biology</i> , 2021, 31, 3663-3670.e4.	3.9	5
6	Genome plasticity in <i>Paramecium bursaria</i> revealed by population genomics. <i>BMC Biology</i> , 2020, 18, 180.	3.8	16
7	Sex alters molecular evolution in diploid experimental populations of <i>S. cerevisiae</i> . <i>Nature Ecology and Evolution</i> , 2020, 4, 453-460.	7.8	20
8	Making Sense of Noise. , 2020, , 379-391.		2
9	The evolution of germâ€soma nuclear differentiation in eukaryotic unicells. <i>Current Biology</i> , 2020, 30, R502-R510.	3.9	8
10	Experimental evolution reveals a general role for the methyltransferase Hmt1 in noise buffering. <i>PLoS Biology</i> , 2019, 17, e3000433.	5.6	7
11	Experimental evolution reveals a general role for the methyltransferase Hmt1 in noise buffering. , 2019, 17, e3000433.		0
12	Experimental evolution reveals a general role for the methyltransferase Hmt1 in noise buffering. , 2019, 17, e3000433.		0
13	Experimental evolution reveals a general role for the methyltransferase Hmt1 in noise buffering. , 2019, 17, e3000433.		0
14	Experimental evolution reveals a general role for the methyltransferase Hmt1 in noise buffering. , 2019, 17, e3000433.		0
15	Heterologous Hsp90 promotes phenotypic diversity through network evolution. <i>PLoS Biology</i> , 2018, 16, e2006450.	5.6	24
16	Misfolding-prone proteins are reversibly sequestered to an Hsp42-associated granule upon chronological aging. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	13
17	Hsp90 mediates the crosstalk between galactose metabolism and cell morphology pathways in yeast. <i>Current Genetics</i> , 2017, 63, 23-27.	1.7	8
18	Mitochondrialâ€nuclear coâ€evolution leads to hybrid incompatibility through pentatricopeptide repeat proteins. <i>EMBO Reports</i> , 2017, 18, 87-101.	4.5	41

#	ARTICLE	IF	CITATIONS
19	A Comprehensive Analysis of Transcript-Supported De Novo Genes in <i>Saccharomyces sensu stricto</i> Yeasts. <i>Molecular Biology and Evolution</i> , 2017, 34, 2823-2838.	8.9	28
20	Coevolution with bacteria drives the evolution of aerobic fermentation in <i>Lachancea kluyveri</i> . <i>PLoS ONE</i> , 2017, 12, e0173318.	2.5	25
21	Experimental Evolution Reveals Interplay between Sch9 and Polyploid Stability in Yeast. <i>PLoS Genetics</i> , 2016, 12, e1006409.	3.5	24
22	Mutation at a distance caused by homopolymeric guanine repeats in <i>Saccharomyces cerevisiae</i> . <i>Science Advances</i> , 2016, 2, e1501033.	10.3	8
23	Hsp90 Maintains Proteostasis of the Galactose Utilization Pathway To Prevent Cell Lethality. <i>Molecular and Cellular Biology</i> , 2016, 36, 1412-1424.	2.3	10
24	Differentiated cytoplasmic granule formation in quiescent and non-quiescent cells upon chronological aging. <i>Microbial Cell</i> , 2016, 3, 109-119.	3.2	22
25	A population study of killer viruses reveals different evolutionary histories of two closely related <i>Saccharomyces sensu stricto</i> yeasts. <i>Molecular Ecology</i> , 2015, 24, 4312-4322.	3.9	26
26	The Red Queen in mitochondria: cyto-nuclear co-evolution, hybrid breakdown and human disease. <i>Frontiers in Genetics</i> , 2015, 6, 187.	2.3	46
27	The evolutionary dynamics of tRNA-gene copy number and codon-use in <i>E. coli</i> . <i>BMC Evolutionary Biology</i> , 2015, 15, 163.	3.2	26
28	On the Nature and Evolutionary Impact of Phenotypic Robustness Mechanisms. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2014, 45, 495-517.	8.3	77
29	The Hsp90-Dependent Proteome Is Conserved and Enriched for Hub Proteins with High Levels of Protein-Protein Connectivity. <i>Genome Biology and Evolution</i> , 2014, 6, 2851-2865.	2.5	27
30	Hsp90 Regulates Nongenetic Variation in Response to Environmental Stress. <i>Molecular Cell</i> , 2013, 50, 82-92.	9.7	37
31	Dynamic Large-Scale Chromosomal Rearrangements Fuel Rapid Adaptation in Yeast Populations. <i>PLoS Genetics</i> , 2013, 9, e1003232.	3.5	106
32	Characterization of Chromosome Stability in Diploid, Polyploid and Hybrid Yeast Cells. <i>PLoS ONE</i> , 2013, 8, e68094.	2.5	71
33	The histone deacetylase Hos2 forms an Hsp42-dependent cytoplasmic granule in quiescent yeast cells. <i>Molecular Biology of the Cell</i> , 2012, 23, 1231-1242.	2.1	51
34	The Evolution of Low Mutation Rates in Experimental Mutator Populations of <i>Saccharomyces cerevisiae</i> . <i>Current Biology</i> , 2012, 22, 1235-1240.	3.9	49
35	Clusters of Nucleotide Substitutions and Insertion/Deletion Mutations Are Associated with Repeat Sequences. <i>PLoS Biology</i> , 2011, 9, e1000622.	5.6	106
36	A Tradeoff Drives the Evolution of Reduced Metal Resistance in Natural Populations of Yeast. <i>PLoS Genetics</i> , 2011, 7, e1002034.	3.5	27

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37	Speciation through cytonuclear incompatibility: Insights from yeast and implications for higher eukaryotes. <i>BioEssays</i> , 2010, 32, 401-411.	2.5	98
38	Heterothallism in <i>Saccharomyces cerevisiae</i> isolates from nature: effect of <i>HO</i> locus on the mode of reproduction. <i>Molecular Ecology</i> , 2010, 19, 121-131.	3.9	46
39	Multiple Molecular Mechanisms Cause Reproductive Isolation between Three Yeast Species. <i>PLoS Biology</i> , 2010, 8, e1000432.	5.6	131
40	Natural history of budding yeast. <i>Current Biology</i> , 2009, 19, R886-R890.	3.9	53
41	Incompatibility of Nuclear and Mitochondrial Genomes Causes Hybrid Sterility between Two Yeast Species. <i>Cell</i> , 2008, 135, 1065-1073.	28.9	326
42	High-Resolution Mutation Mapping Reveals Parallel Experimental Evolution in Yeast. <i>PLoS Biology</i> , 2006, 4, e256.	5.6	73
43	Experimental Evolution of Mating Discrimination in Budding Yeast. <i>Current Biology</i> , 2006, 16, 280-286.	3.9	60
44	The Pachytene Checkpoint in <i>S. cerevisiae</i> Depends on Swe1-Mediated Phosphorylation of the Cyclin-Dependent Kinase Cdc28. <i>Molecular Cell</i> , 1999, 4, 805-814.	9.7	80
45	Splicing of the Meiosis-Specific <i>HOP2</i> Transcript Utilizes a Unique 5' Splice Site. <i>Molecular and Cellular Biology</i> , 1999, 19, 7933-7943.	2.3	18
46	The Meiosis-Specific Hop2 Protein of <i>S. cerevisiae</i> Ensures Synapsis between Homologous Chromosomes. <i>Cell</i> , 1998, 94, 375-386.	28.9	190
47	A maize cryptic <i>Ac</i> -homologous sequence derived from an Activator transposable element does not transpose. <i>Molecular Genetics and Genomics</i> , 1992, 233, 411-418.	2.4	12
48	Multiple Intermolecular Interactions Facilitate Rapid Evolution of Essential Genes. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1