

John L Woolford Jr

List of Publications by Year in descending order

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64
papers

5,417
citations

101384

36
h-index

118652

62
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64
all docs

64
docs citations

64
times ranked

3650
citing authors

#	ARTICLE	IF	CITATIONS
1	Ribosome Biogenesis in the Yeast <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2013, 195, 643-681.	1.2	639
2	Ribosome assembly coming into focus. <i>Nature Reviews Molecular Cell Biology</i> , 2019, 20, 116-131.	16.1	344
3	Isolation of yeast histone genes H2A and H2B. <i>Cell</i> , 1979, 18, 1261-1271.	13.5	308
4	Functions of Ribosomal Proteins in Assembly of Eukaryotic Ribosomes In Vivo. <i>Annual Review of Biochemistry</i> , 2015, 84, 93-129.	5.0	302
5	Composition and Functional Characterization of Yeast 66S Ribosome Assembly Intermediates. <i>Molecular Cell</i> , 2001, 8, 505-515.	4.5	280
6	A comparison of yeast ribosomal protein gene DNA sequences. <i>Nucleic Acids Research</i> , 1984, 12, 8295-8312.	6.5	277
7	The effect of temperature-sensitive RNA mutants on the transcription products from cloned ribosomal protein genes of yeast. <i>Cell</i> , 1981, 24, 679-686.	13.5	226
8	Diverse roles of assembly factors revealed by structures of late nuclear pre-60S ribosomes. <i>Nature</i> , 2016, 534, 133-137.	13.7	193
9	Assembly factors Rpf2 and Rrs1 recruit 5S rRNA and ribosomal proteins rpL5 and rpL11 into nascent ribosomes. <i>Genes and Development</i> , 2007, 21, 2580-2592.	2.7	175
10	Mod-seq: high-throughput sequencing for chemical probing of RNA structure. <i>Rna</i> , 2014, 20, 713-720.	1.6	167
11	Assembly of ribosomes and spliceosomes: complex ribonucleoprotein machines. <i>Current Opinion in Cell Biology</i> , 2009, 21, 109-118.	2.6	128
12	Ribosomal Protein S14 of <i>Saccharomyces cerevisiae</i> Regulates Its Expression by Binding to RPS14B Pre-mRNA and to 18S rRNA. <i>Molecular and Cellular Biology</i> , 1999, 19, 826-834.	1.1	123
13	Isolation of cloned DNA sequences containing ribosomal protein genes from <i>saccharomyces cerevisiae</i> . <i>Cell</i> , 1979, 18, 1247-1259.	13.5	119
14	Molecular cloning and analysis of theCRY1gene: a yeast ribosomal protein gene. <i>Nucleic Acids Research</i> , 1983, 11, 403-420.	6.5	115
15	A hierarchical model for assembly of eukaryotic 60S ribosomal subunit domains. <i>Genes and Development</i> , 2014, 28, 198-210.	2.7	115
16	rRNA Maturation in Yeast Cells Depleted of Large Ribosomal Subunit Proteins. <i>PLoS ONE</i> , 2009, 4, e8249.	1.1	104
17	Structural snapshot of cytoplasmic pre-60S ribosomal particles bound by Nmd3, Lsg1, Tif6 and Reh1. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 214-220.	3.6	94
18	Role of the yeast Rrp1 protein in the dynamics of pre-ribosome maturation. <i>Rna</i> , 2004, 10, 813-827.	1.6	89

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19	Ytm1, Nop7, and Erb1 Form a Complex Necessary for Maturation of Yeast 66S Preribosomes. <i>Molecular and Cellular Biology</i> , 2005, 25, 10419-10432.	1.1	87
20	Assembly of <i>Saccharomyces cerevisiae</i> 60S ribosomal subunits: role of factors required for 27S pre-rRNA processing. <i>EMBO Journal</i> , 2011, 30, 4020-4032.	3.5	84
21	The Carboxy-Terminal Extension of Yeast Ribosomal Protein S14 Is Necessary for Maturation of 43S Preribosomes. <i>Molecular Cell</i> , 2004, 14, 331-342.	4.5	83
22	<i>Saccharomyces cerevisiae</i> nucleolar protein Nop7p is necessary for biogenesis of 60S ribosomal subunits. <i>Rna</i> , 2002, 8, 150-165.	1.6	79
23	The use of R-looping for structural gene identification and mRNA purification. <i>Nucleic Acids Research</i> , 1979, 6, 2483-2497.	6.5	76
24	Principles of 60S ribosomal subunit assembly emerging from recent studies in yeast. <i>Biochemical Journal</i> , 2017, 474, 195-214.	1.7	76
25	The Structure and Biogenesis of Yeast Ribosomes. <i>Advances in Genetics</i> , 1991, 29, 63-118.	0.8	73
26	Hierarchical recruitment into nascent ribosomes of assembly factors required for 27SB pre-rRNA processing in <i>Saccharomyces cerevisiae</i> . <i>Nucleic Acids Research</i> , 2012, 40, 8646-8661.	6.5	67
27	Structure and assembly model for the <i>Trypanosoma cruzi</i> 60S ribosomal subunit. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12174-12179.	3.3	63
28	Ribosomal proteins L7 and L8 function in concert with six A ₃ assembly factors to propagate assembly of domains I and II of 25S rRNA in yeast 60S ribosomal subunits. <i>Rna</i> , 2012, 18, 1805-1822.	1.6	59
29	Interactions among Ytm1, Erb1, and Nop7 Required for Assembly of the Nop7-Subcomplex in Yeast Preribosomes. <i>Molecular Biology of the Cell</i> , 2008, 19, 2844-2856.	0.9	52
30	Has1 regulates consecutive maturation and processing steps for assembly of 60S ribosomal subunits. <i>Nucleic Acids Research</i> , 2013, 41, 7889-7904.	6.5	52
31	Yeast polypeptide exit tunnel ribosomal proteins L17, L35 and L37 are necessary to recruit late-assembling factors required for 27SB pre-rRNA processing. <i>Nucleic Acids Research</i> , 2013, 41, 1965-1983.	6.5	51
32	Studies on the Assembly Characteristics of Large Subunit Ribosomal Proteins in <i>S. cerevisiae</i> . <i>PLoS ONE</i> , 2013, 8, e68412.	1.1	51
33	<i>Saccharomyces cerevisiae</i> Ribosomal Protein L26 Is Not Essential for Ribosome Assembly and Function. <i>Molecular and Cellular Biology</i> , 2012, 32, 3228-3241.	1.1	48
34	Multiple Regions of Yeast Ribosomal Protein L1 Are Important for Its Interaction with 5 S rRNA and Assembly into Ribosomes. <i>Journal of Biological Chemistry</i> , 1995, 270, 30148-30156.	1.6	43
35	f1 Coat protein synthesis and altered phospholipid metabolism in f1 infected <i>Escherichia coli</i> . <i>Virology</i> , 1974, 58, 544-560.	1.1	42
36	The PRP31 gene encodes a novel protein required for pre-mRNA splicing in <i>Saccharomyces cerevisiae</i> . <i>Nucleic Acids Research</i> , 1996, 24, 1164-1170.	6.5	39

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37	Disruption of ribosome assembly in yeast blocks cotranscriptional pre-rRNA processing and affects the global hierarchy of ribosome biogenesis. <i>Rna</i> , 2016, 22, 852-866.	1.6	37
38	Kinesin molecular motor Eg5 functions during polypeptide synthesis. <i>Molecular Biology of the Cell</i> , 2011, 22, 3420-3430.	0.9	34
39	[33] R-looping and structural gene identification of recombinant DNA. <i>Methods in Enzymology</i> , 1979, 68, 454-469.	0.4	33
40	Ribosome Assembly Factors Pwp1 and Nop12 Are Important for Folding of 5.8S rRNA during Ribosome Biogenesis in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 2014, 34, 1863-1877.	1.1	33
41	Hierarchical recruitment of ribosomal proteins and assembly factors remodels nucleolar pre-60S ribosomes. <i>Journal of Cell Biology</i> , 2018, 217, 2503-2518.	2.3	33
42	Ebp2 and Brx1 function cooperatively in 60S ribosomal subunit assembly in <i>Saccharomyces cerevisiae</i> . <i>Nucleic Acids Research</i> , 2012, 40, 4574-4588.	6.5	31
43	The Yeast Nucleolar Protein Nop4p Contains Four RNA Recognition Motifs Necessary for Ribosome Biogenesis. <i>Journal of Biological Chemistry</i> , 1997, 272, 25345-25352.	1.6	28
44	Deletion of L4 domains reveals insights into the importance of ribosomal protein extensions in eukaryotic ribosome assembly. <i>Rna</i> , 2014, 20, 1725-1731.	1.6	25
45	Coupling of 5S RNP rotation with maturation of functional centers during large ribosomal subunit assembly. <i>Nature Communications</i> , 2020, 11, 3751.	5.8	24
46	Identification of the binding site of Rlp7 on assembling 60S ribosomal subunits in <i>Saccharomyces cerevisiae</i> . <i>Rna</i> , 2013, 19, 1639-1647.	1.6	23
47	Structural insights into assembly of the ribosomal nascent polypeptide exit tunnel. <i>Nature Communications</i> , 2020, 11, 5111.	5.8	21
48	Identification of Genes That Function in the Biogenesis and Localization of Small Nucleolar RNAs in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 2008, 28, 3686-3699.	1.1	19
49	The N-terminal extension of yeast ribosomal protein L8 is involved in two major remodeling events during late nuclear stages of 60S ribosomal subunit assembly. <i>Rna</i> , 2016, 22, 1386-1399.	1.6	18
50	Atomic modeling of the ITS2 ribosome assembly subcomplex from cryo-EM together with mass spectrometry-identified protein-protein crosslinks. <i>Protein Science</i> , 2017, 26, 103-112.	3.1	18
51	Paradigms of ribosome synthesis: Lessons learned from ribosomal proteins. <i>Translation</i> , 2015, 3, e975018.	2.9	16
52	The assembly factor Erb1 functions in multiple remodeling events during 60S ribosomal subunit assembly in <i>S. cerevisiae</i> . <i>Nucleic Acids Research</i> , 2017, 45, gkw1361.	6.5	16
53	Sequence and genetic analysis of a dispensible 189 nucleotide snRNA from <i>Saccharomyces cerevisiae</i> . <i>Nucleic Acids Research</i> , 1988, 16, 5587-5601.	6.5	14
54	Interactions of Yeast Ribosomal Protein rpS14 with RNA. <i>Journal of Molecular Biology</i> , 2003, 333, 697-709.	2.0	13

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55	Insights into remodeling events during eukaryotic large ribosomal subunit assembly provided by high resolution cryo-EM structures. <i>RNA Biology</i> , 2017, 14, 1306-1313.	1.5	13
56	The nucleolus as a polarized coaxial cable in which the rDNA axis is surrounded by dynamic subunit-specific phases. <i>Current Biology</i> , 2021, 31, 2507-2519.e4.	1.8	11
57	RNA splicing in lower eukaryotes. <i>Current Opinion in Genetics and Development</i> , 1992, 2, 712-719.	1.5	9
58	Involvement of lysine 270 and lysine 271 of yeast 5S rRNA binding protein in RNA binding and ribosome assembly. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1996, 1308, 133-141.	2.4	7
59	Structured association analysis leads to insight into <i>Saccharomyces cerevisiae</i> gene regulation by finding multiple contributing eQTL hotspots associated with functional gene modules. <i>BMC Genomics</i> , 2013, 14, 196.	1.2	6
60	Chaperoning Ribosome Assembly. <i>Molecular Cell</i> , 2002, 10, 8-10.	4.5	5
61	The Rea1 Tadpole Loses Its Tail. <i>Cell</i> , 2009, 138, 832-834.	13.5	4
62	Assembly of ribosomes in eukaryotes. <i>Rna</i> , 2015, 21, 766-768.	1.6	3
63	Teach, Then Trust - Elizabeth W. Jones (1939â€“2008): Mentor to Many. <i>Genetics</i> , 2009, 181, 357-365.	1.2	0
64	Translation Ribosome Assembly. , 2021, , 518-527.		0