

Kurt W Runge

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,591
citations

304743

22
h-index

302126

39
g-index

55
all docs

55
docs citations

55
times ranked

1424
citing authors

#	ARTICLE	IF	CITATIONS
1	The physiology of vitamin K nutriture and vitamin K-dependent protein function in atherosclerosis. <i>Journal of Thrombosis and Haemostasis</i> , 2004, 2, 2118-2132.	3.8	151
2	A two-step model for senescence triggered by a single critically short telomere. <i>Nature Cell Biology</i> , 2009, 11, 988-993.	10.3	151
3	Tel1p Preferentially Associates with Short Telomeres to Stimulate Their Elongation. <i>Molecular Cell</i> , 2007, 27, 851-858.	9.7	114
4	Introduction of extra telomeric DNA sequences into <i>Saccharomyces cerevisiae</i> results in telomere elongation.. <i>Molecular and Cellular Biology</i> , 1989, 9, 1488-1497.	2.3	108
5	<i>TEL2</i> , an Essential Gene Required for Telomere Length Regulation and Telomere Position Effect in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 1996, 16, 3094-3105.	2.3	95
6	The Yeast Telomere Length Counting Machinery Is Sensitive to Sequences at the Telomere-Nontelomere Junction. <i>Molecular and Cellular Biology</i> , 1999, 19, 31-45.	2.3	78
7	Two paralogs involved in transcriptional silencing that antagonistically control yeast life span. <i>Current Biology</i> , 2000, 10, 111-114.	3.9	77
8	How does the end begin?. <i>Trends in Genetics</i> , 1990, 6, 12-16.	6.7	61
9	Sir3p phosphorylation by the Slt2p pathway effects redistribution of silencing function and shortened lifespan. <i>Nature Genetics</i> , 2003, 33, 522-526.	21.4	48
10	Effects of excess centromeres and excess telomeres on chromosome loss rates.. <i>Molecular and Cellular Biology</i> , 1991, 11, 2919-2928.	2.3	42
11	A new <i>Schizosaccharomyces pombe</i> chronological lifespan assay reveals that caloric restriction promotes efficient cell cycle exit and extends longevity. <i>Experimental Gerontology</i> , 2009, 44, 493-502.	2.8	42
12	Roles of putative Rho-GEF Gef2 in division-site positioning and contractile-ring function in fission yeast cytokinesis. <i>Molecular Biology of the Cell</i> , 2012, 23, 1181-1195.	2.1	42
13	Zinc finger protein Loz1 is required for zinc-responsive regulation of gene expression in fission yeast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15371-15376.	7.1	42
14	Varying the number of telomere-bound proteins does not alter telomere length in <i>tel1^Δ</i> cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 15044-15049.	7.1	41
15	r-VKORC1 Expression in Factor IX BHK Cells Increases the Extent of Factor IX Carboxylation but Is Limited by Saturation of Another Carboxylation Component or by a Shift in the Rate-Limiting Step. <i>Biochemistry</i> , 2006, 45, 5587-5598.	2.5	41
16	Brønsted Analysis Reveals Lys218 as the Carboxylase Active Site Base That Deprotonates Vitamin K Hydroquinone To Initiate Vitamin K-Dependent Protein Carboxylation. <i>Biochemistry</i> , 2006, 45, 13239-13248.	2.5	36
17	The Vitamin K Oxidoreductase Is a Multimer That Efficiently Reduces Vitamin K Epoxide to Hydroquinone to Allow Vitamin K-dependent Protein Carboxylation. <i>Journal of Biological Chemistry</i> , 2013, 288, 31556-31566.	3.4	34
18	The C Terminus of the Major Yeast Telomere Binding Protein Rap1p Enhances Telomere Formation. <i>Molecular and Cellular Biology</i> , 1998, 18, 1284-1295.	2.3	31

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19	A new model for vitamin K-dependent carboxylation: The catalytic base that deprotonates vitamin K hydroquinone is not Cys but an activated amine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 13732-13737.	7.1	31
20	The yeast telomere length regulator TEL2 encodes a protein that binds to telomeric DNA. <i>Nucleic Acids Research</i> , 1998, 26, 1528-1535.	14.5	30
21	The ZDS1 and ZDS2 proteins require the Sir3p component of yeast silent chromatin to enhance the stability of short linear centromeric plasmids. <i>Chromosoma</i> , 1999, 108, 146-161.	2.2	28
22	Tel2p, a regulator of yeast telomeric length in vivo, binds to single-stranded telomeric DNA in vitro. <i>Chromosoma</i> , 1999, 108, 278-290.	2.2	28
23	Identification of a Lifespan Extending Mutation in the <i>Schizosaccharomyces pombe</i> Cyclin Gene <i>clg1+</i> by Direct Selection of Long-Lived Mutants. <i>PLoS ONE</i> , 2013, 8, e69084.	2.5	22
24	The Vitamin K-dependent Carboxylase Has Been Acquired by <i>Leptospira</i> Pathogens and Shows Altered Activity That Suggests a Role Other than Protein Carboxylation. <i>Journal of Biological Chemistry</i> , 2005, 280, 34870-34877.	3.4	20
25	A new method to efficiently induce a site-specific double-strand break in the fission yeast <i>Schizosaccharomyces pombe</i> . <i>Yeast</i> , 2012, 29, 275-291.	1.7	19
26	Warfarin alters vitamin K metabolism: a surprising mechanism of VKORC1 uncoupling necessitates an additional reductase. <i>Blood</i> , 2018, 131, 2826-2835.	1.4	19
27	Properties of the transcriptional enhancer in <i>Saccharomyces cerevisiae</i> telomeres. <i>Nucleic Acids Research</i> , 1990, 18, 1783-1787.	14.5	18
28	Generation and analysis of a barcode-tagged insertion mutant library in the fission yeast <i>Schizosaccharomyces pombe</i> . <i>BMC Genomics</i> , 2012, 13, 161.	2.8	14
29	Vitamin K-Dependent Protein Activation: Normal Gamma-Glutamyl Carboxylation and Disruption in Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5759.	4.1	13
30	Mec1p associates with functionally compromised telomeres. <i>Chromosoma</i> , 2012, 121, 277-290.	2.2	12
31	Nonhomologous End-Joining with Minimal Sequence Loss Is Promoted by the Mre11-Rad50-Nbs1-Ctp1 Complex in <i>Schizosaccharomyces pombe</i> . <i>Genetics</i> , 2017, 206, 481-496.	2.9	12
32	<i>Saccharomyces cerevisiae</i> linear chromosome stability (<i>lcs</i>) mutants increase the loss rate of artificial and natural linear chromosomes. <i>Chromosoma</i> , 1993, 102, 207-217.	2.2	11
33	Yeast telomerase appears to frequently copy the entire template in vivo. <i>Nucleic Acids Research</i> , 2001, 29, 2382-2394.	14.5	11
34	Rif1 phosphorylation site analysis in telomere length regulation and the response to damaged telomeres. <i>DNA Repair</i> , 2018, 65, 26-33.	2.8	11
35	Roles of the novel coiled-coil protein Rng10 in septum formation during fission yeast cytokinesis. <i>Molecular Biology of the Cell</i> , 2016, 27, 2528-2541.	2.1	9
36	A curious new role for MRN in <i>Schizosaccharomyces pombe</i> non-homologous end-joining. <i>Current Genetics</i> , 2018, 64, 359-364.	1.7	9

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37	A Heterochromatin Domain Forms Gradually at a New Telomere and Is Dynamic at Stable Telomeres. <i>Molecular and Cellular Biology</i> , 2018, 38, .	2.3	8
38	Genetic Approaches to Aging in Budding and Fission Yeasts: New Connections and New Opportunities. <i>Sub-Cellular Biochemistry</i> , 2011, 57, 291-314.	2.4	8
39	Telomere-binding proteins Taz1 and Rap1 regulate DSB repair and suppress gross chromosomal rearrangements in fission yeast. <i>PLoS Genetics</i> , 2019, 15, e1008335.	3.5	7
40	Exon skipping eliminates β -glutamyl carboxylase activity, indicating a partial splicing defect in a patient with vitamin K clotting factor deficiency. <i>Journal of Thrombosis and Haemostasis</i> , 2019, 17, 1053-1063.	3.8	3
41	GGCX mutants that impair hemostasis reveal the importance of processivity and full carboxylation to VKD protein function. <i>Blood</i> , 2022, 140, 1710-1722.	1.4	3
42	The inhibition of checkpoint activation by telomeres does not involve exclusion of dimethylation of histone H4 lysine 20 (H4K20me2). <i>F1000Research</i> , 2018, 7, 1027.	1.6	2
43	The inhibition of checkpoint activation by telomeres does not involve exclusion of dimethylation of histone H4 lysine 20 (H4K20me2). <i>F1000Research</i> , 2018, 7, 1027.	1.6	2
44	Editorial: The Evolving Telomeres. <i>Frontiers in Genetics</i> , 2016, 7, 50.	2.3	1
45	Telomeres and Aging in the Yeast Model System. , 2006, , 191-205.		1
46	Posttranslational Modification during Protein Secretion. , 1988, , 159-208.		1
47	The Budding and Fission Yeast Model Systems for Aging Biology. , 2018, , 417-430.		0
48	Telomere Formation Systems in Budding and Fission Yeasts. , 2020, , .		0
49	A Novel Role for the MRN-CtIP complex in <i>Schizosaccharomyces pombe</i> Non-Homologous End Joining (NHEJ). <i>FASEB Journal</i> , 2012, 26, 539.3.	0.5	0
50	The Evolving Telomeres. <i>Frontiers Research Topics</i> , 0, , .	0.2	0