Jeffrey S Smith

List of Publications by Year
in descending order

37	3,134	304743	345221
papers	citations	22 h-index	36 g-index

43	43	43	3141
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sarcoplasmic reticulum contains adenine nucleotide-activated calcium channels. Nature, 1985, 316, 446-449.	27.8	389
2	Nicotinamide Riboside Promotes Sir2 Silencing and Extends Lifespan via Nrk and Urh1/Pnp1/Meu1 Pathways to NAD+. Cell, 2007, 129, 473-484.	28.9	351
3	A Genetic Screen for Ribosomal DNA Silencing Defects Identifies Multiple DNA Replication and Chromatin-Modulating Factors. Molecular and Cellular Biology, 1999, 19, 3184-3197.	2.3	221
4	Calorie restriction extends the chronological lifespan of SaccharomycesÂcerevisiae independently of the Sirtuins. Aging Cell, 2007, 6, 649-662.	6.7	203
5	A Microarray-Based Genetic Screen for Yeast Chronological Aging Factors. PLoS Genetics, 2010, 6, e1000921.	3.5	198
6	Nicotinamide Clearance by Pnc1 Directly Regulates Sir2-Mediated Silencing and Longevity. Molecular and Cellular Biology, 2004, 24, 1301-1312.	2.3	179
7	Distribution of a Limited Sir2 Protein Pool Regulates the Strength of Yeast rDNA Silencing and Is Modulated by Sir4p. Genetics, 1998, 149, 1205-1219.	2.9	157
8	Human Sir2 and the â€˜silencingâ€™ of p53 activity. Trends in Cell Biology, 2002, 12, 404-406.	7.9	137
9	RPD3 is required for the inactivation of yeast ribosomal DNA genes in stationary phase. EMBO Journal, 2002, 21, 4959-4968.	7.8	123
10	The Nuts and Bolts of Transcriptionally Silent Chromatin in Saccharomyces cerevisiae. Genetics, 2016, 203, 1563-1599.	2.9	120
11	Telomeric and rDNA Silencing in Saccharomyces cerevisiae Are Dependent on a Nuclear NAD+ Salvage Pathway. Genetics, 2002, 160, 877-889.	2.9	107
12	Yeast sirtuins and the regulation of aging. FEMS Yeast Research, 2014, 14, 73-88.	2.3	97
13	DNA Replication Stress Is a Determinant of Chronological Lifespan in Budding Yeast. PLoS ONE, 2007, 2, e748.	2.5	94
14	Diversity in the Sir2 family of protein deacetylases. Journal of Leukocyte Biology, 2004, 75, 939-950.	3.3	87
15	RNA Polymerase I Propagates Unidirectional Spreading of rDNA Silent Chromatin. Cell, 2002, 111, 1003-1014.	28.9	86
16	Distinguishing the Roles of Topoisomerases I and II in Relief of Transcription-Induced Torsional Stress in Yeast rRNA Genes. Molecular and Cellular Biology, 2011, 31, 482-494.	2.3	80
17	Thiamine Biosynthesis in Saccharomyces cerevisiae Is Regulated by the NAD⁺-Dependent Histone Deacetylase Hst1. Molecular and Cellular Biology, 2010, 30, 3329-3341.	2.3	64
18	Genome-wide analysis of functional sirtuin chromatin targets in yeast. Genome Biology, 2013, 14, R48.	9.6	53

#	Article	IF	Citations
19	Caloric Restriction Extends Yeast Chronological Life Span by Optimizing the Snf1 (AMPK) Signaling Pathway. Molecular and Cellular Biology, 2017, 37, .	2.3	49
20	Sir Antagonist 1 (San1) Is a Ubiquitin Ligase. Journal of Biological Chemistry, 2004, 279, 26830-26838.	3.4	47
21	Calorie restriction effects on silencing and recombination at the yeast rDNA. Aging Cell, 2009, 8, 633-642.	6.7	41
22	Genetic Identification of Factors That Modulate Ribosomal DNA Transcription in Saccharomyces cerevisiae. Genetics, 2009, 182, 105-119.	2.9	35
23	Pathogen Evasion of Chemokine Response Through Suppression of CXCL10. Frontiers in Cellular and Infection Microbiology, 2019, 9, 280.	3.9	33
24	Isonicotinamide Enhances Sir2 Protein-mediated Silencing and Longevity in Yeast by Raising Intracellular NAD+ Concentration. Journal of Biological Chemistry, 2012, 287, 20957-20966.	3.4	25
25	Limiting the Extent of the RDN1 Heterochromatin Domain by a Silencing Barrier and Sir2 Protein Levels in Saccharomyces cerevisiae. Molecular and Cellular Biology, 2009, 29, 2889-2898.	2.3	23
26	Pnc1p-Mediated Nicotinamide Clearance Modifies the Epigenetic Properties of rDNA Silencing in Saccharomyces cerevisiae. Genetics, 2008, 180, 797-810.	2.9	22
27	Current status and prospects for development of a vaccine against Trichomonas vaginalis infections. Vaccine, 2014, 32, 1588-1594.	3.8	20
28	A cell-nonautonomous mechanism of yeast chronological aging regulated by caloric restriction and one-carbon metabolism. Journal of Biological Chemistry, 2021, 296, 100125.	3.4	17
29	Depletion of Limiting rDNA Structural Complexes Triggers Chromosomal Instability and Replicative Aging of Saccharomyces cerevisiae. Genetics, 2019, 212, 75-91.	2.9	14
30	Spontaneous mutations in CYC8 and MIG1 suppress the short chronological lifespan of budding yeast lacking SNF1/AMPK. Microbial Cell, 2018, 5, 233-248.	3.2	13
31	TRANSCRIPTION: Is S Phase Important for Transcriptional Silencing?. Science, 2001, 291, 608-609.	12.6	12
32	RNA Polymerase I and Fob1 contributions to transcriptional silencing at the yeast rDNA locus. Nucleic Acids Research, 2016, 44, 6173-6184.	14.5	10
33	Functional genomic analysis reveals overlapping and distinct features of chronologically long-lived yeast populations. Aging, 2015, 7, 177-194.	3.1	10
34	A Sir2-regulated locus control region in the recombination enhancer of Saccharomyces cerevisiae specifies chromosome III structure. PLoS Genetics, 2019, 15, e1008339.	3.5	8
35	Saccharomyces cerevisiae as a platform for assessing sphingolipid lipid kinase inhibitors. PLoS ONE, 2018, 13, e0192179.	2.5	6
36	The long and short of rDNA and yeast replicative aging. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	2

#	Article	IF	Citations
37	Sirtuin Function in Longevity. , 2010, , 123-146.		0