

Jessica K Tyler

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2281922/publications.pdf>

Version: 2024-02-01

95
papers

8,164
citations

70961

41
h-index

49773

87
g-index

119
all docs

119
docs citations

119
times ranked

8517
citing authors

#	ARTICLE	IF	CITATIONS
1	CBP/p300-mediated acetylation of histone H3 on lysine 56. <i>Nature</i> , 2009, 459, 113-117.	13.7	620
2	Epigenetics and aging. <i>Science Advances</i> , 2016, 2, e1600584.	4.7	568
3	The RCAF complex mediates chromatin assembly during DNA replication and repair. <i>Nature</i> , 1999, 402, 555-560.	13.7	501
4	Structural Basis for the Histone Chaperone Activity of Asf1. <i>Cell</i> , 2006, 127, 495-508.	13.5	398
5	Acetylated Lysine 56 on Histone H3 Drives Chromatin Assembly after Repair and Signals for the Completion of Repair. <i>Cell</i> , 2008, 134, 231-243.	13.5	387
6	Elevated Histone Expression Promotes Life Span Extension. <i>Molecular Cell</i> , 2010, 39, 724-735.	4.5	375
7	DANPOS: Dynamic analysis of nucleosome position and occupancy by sequencing. <i>Genome Research</i> , 2013, 23, 341-351.	2.4	331
8	Chaperoning Histones during DNA Replication and Repair. <i>Cell</i> , 2010, 140, 183-195.	13.5	296
9	Chromatin Disassembly Mediated by the Histone Chaperone Asf1 Is Essential for Transcriptional Activation of the Yeast PHO5 and PHO8 Genes. <i>Molecular Cell</i> , 2004, 14, 657-666.	4.5	275
10	Localized Histone Acetylation and Deacetylation Triggered by the Homologous Recombination Pathway of Double-Strand DNA Repair. <i>Molecular and Cellular Biology</i> , 2005, 25, 4903-4913.	1.1	274
11	Nucleosome loss leads to global transcriptional up-regulation and genomic instability during yeast aging. <i>Genes and Development</i> , 2014, 28, 396-408.	2.7	265
12	The "Dark Side" of Chromatin Remodeling. <i>Cell</i> , 1999, 99, 443-446.	13.5	223
13	Interaction between the Drosophila CAF-1 and ASF1 Chromatin Assembly Factors. <i>Molecular and Cellular Biology</i> , 2001, 21, 6574-6584.	1.1	201
14	Acetylation in the globular core of histone H3 on lysine-56 promotes chromatin disassembly during transcriptional activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 9000-9005.	3.3	189
15	Chromatin structure as a mediator of aging. <i>FEBS Letters</i> , 2011, 585, 2041-2048.	1.3	167
16	The histone shuffle: histone chaperones in an energetic dance. <i>Trends in Biochemical Sciences</i> , 2010, 35, 476-489.	3.7	154
17	The Overlooked Fact: Fundamental Need for Spike-In Control for Virtually All Genome-Wide Analyses. <i>Molecular and Cellular Biology</i> , 2016, 36, 662-667.	1.1	153
18	Transcriptional Activators Are Dispensable for Transcription in the Absence of Spt6-Mediated Chromatin Reassembly of Promoter Regions. <i>Molecular Cell</i> , 2006, 21, 405-416.	4.5	150

#	ARTICLE	IF	CITATIONS
19	Chromatin assembly. FEBS Journal, 2002, 269, 2268-2274.	0.2	125
20	ASF1 Binds to a Heterodimer of Histones H3 and H4: A Two-Step Mechanism for the Assembly of the H3-H4 Heterotetramer on DNA. Biochemistry, 2005, 44, 13673-13682.	1.2	121
21	The Histone Chaperone Asf1p Mediates Global Chromatin Disassembly in Vivo. Journal of Biological Chemistry, 2004, 279, 52069-52074.	1.6	92
22	Activation of the DNA Damage Checkpoint in Yeast Lacking the Histone Chaperone Anti-Silencing Function 1. Molecular and Cellular Biology, 2004, 24, 10313-10327.	1.1	90
23	The Histone Chaperone Anti-silencing Function 1 Stimulates the Acetylation of Newly Synthesized Histone H3 in S-phase. Journal of Biological Chemistry, 2007, 282, 1334-1340.	1.6	87
24	Chromatin Disassembly from the PHO5 Promoter Is Essential for the Recruitment of the General Transcription Machinery and Coactivators. Molecular and Cellular Biology, 2007, 27, 6372-6382.	1.1	83
25	MOF Phosphorylation by ATM Regulates 53BP1-Mediated Double-Strand Break Repair Pathway Choice. Cell Reports, 2014, 8, 177-189.	2.9	83
26	ATP-facilitated Chromatin Assembly with a Nucleoplasmin-like Protein from Drosophila melanogaster. Journal of Biological Chemistry, 1996, 271, 25041-25048.	1.6	79
27	Histone exchange and histone modifications during transcription and aging. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2012, 1819, 332-342.	0.9	79
28	MRI Is a DNA Damage Response Adaptor during Classical Non-homologous End Joining. Molecular Cell, 2018, 71, 332-342.e8.	4.5	76
29	The histone chaperone ASF1 localizes to active DNA replication forks to mediate efficient DNA replication. FASEB Journal, 2006, 20, 488-490.	0.2	73
30	Transcriptional regulation by chromatin disassembly and reassembly. Current Opinion in Genetics and Development, 2007, 17, 88-93.	1.5	73
31	The Histone Chaperones ASF1 and CAF-1 Promote MMS22L-TONSL-Mediated Rad51 Loading onto ssDNA during Homologous Recombination in Human Cells. Molecular Cell, 2018, 69, 879-892.e5.	4.5	69
32	Dynamic Incorporation of Histone H3 Variants into Chromatin Is Essential for Acquisition of Aggressive Traits and Metastatic Colonization. Cancer Cell, 2019, 36, 402-417.e13.	7.7	69
33	Chromatin assembly factors: a dual function in nucleosome formation and mobilization?. Genes To Cells, 2003, 2, 593-600.	0.5	67
34	The Yeast Histone Chaperone Chromatin Assembly Factor 1 Protects Against Double-Strand DNA-Damaging Agents. Genetics, 2005, 171, 1513-1522.	1.2	64
35	FACT and the Proteasome Promote Promoter Chromatin Disassembly and Transcriptional Initiation. Journal of Biological Chemistry, 2009, 284, 23461-23471.	1.6	63
36	How is epigenetic information maintained through DNA replication?. Epigenetics and Chromatin, 2013, 6, 32.	1.8	62

#	ARTICLE	IF	CITATIONS
37	Ssd1 and Gcn2 suppress global translation efficiency in replicatively aged yeast while their activation extends lifespan. <i>ELife</i> , 2018, 7, .	2.8	61
38	Nucleosome disassembly during human non-homologous end joining followed by concerted HIRA- and CAF-1-dependent reassembly. <i>ELife</i> , 2016, 5, .	2.8	57
39	Binding of the histone chaperone ASF1 to the CBP bromodomain promotes histone acetylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E1072-81.	3.3	52
40	The Histone Chaperone Anti-Silencing Function 1 Is a Global Regulator of Transcription Independent of Passage through S Phase. <i>Molecular and Cellular Biology</i> , 2005, 25, 652-660.	1.1	51
41	The Cac1 subunit of histone chaperone CAF-1 organizes CAF-1-H3/H4 architecture and tetramerizes histones. <i>ELife</i> , 2016, 5, .	2.8	51
42	The integrated stress response in budding yeast lifespan extension. <i>Microbial Cell</i> , 2017, 4, 368-375.	1.4	46
43	Epigenetic regulation of genomic integrity. <i>Chromosoma</i> , 2012, 121, 131-151.	1.0	43
44	Impaired cohesion and homologous recombination during replicative aging in budding yeast. <i>Science Advances</i> , 2018, 4, eaaq0236.	4.7	41
45	The role of autophagy in the regulation of yeast life span. <i>Annals of the New York Academy of Sciences</i> , 2018, 1418, 31-43.	1.8	40
46	The DNA binding domain of the Varicella-zoster virus gene 62 protein interacts with multiple sequences which are similar to the binding site of the related protein of herpes simplex virus type 1. <i>Nucleic Acids Research</i> , 1993, 21, 513-522.	6.5	37
47	Deficiency of XLF and PAXX prevents DNA double-strand break repair by non-homologous end joining in lymphocytes. <i>Cell Cycle</i> , 2017, 16, 286-295.	1.3	36
48	HDAC1,2 inhibition impairs EZH2- and BBAP- mediated DNA repair to overcome chemoresistance in EZH2 gain-of-function mutant diffuse large B-cell lymphoma. <i>Oncotarget</i> , 2015, 6, 4863-4887.	0.8	35
49	Functional Conservation and Specialization among Eukaryotic Anti-Silencing Function 1 Histone Chaperones. <i>Eukaryotic Cell</i> , 2005, 4, 1583-1590.	3.4	34
50	The BRCA1-Interacting Protein Abraxas Is Required for Genomic Stability and Tumor Suppression. <i>Cell Reports</i> , 2014, 8, 807-817.	2.9	34
51	TIE2-mediated tyrosine phosphorylation of H4 regulates DNA damage response by recruiting ABL1. <i>Science Advances</i> , 2016, 2, e1501290.	4.7	33
52	Mitotic phosphorylation of histone H3 threonine 80. <i>Cell Cycle</i> , 2014, 13, 440-452.	1.3	32
53	Development of novel cellular histone-binding and chromatin-displacement assays for bromodomain drug discovery. <i>Epigenetics and Chromatin</i> , 2015, 8, 37.	1.8	32
54	Chromatin disassembly and reassembly during DNA repair. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2007, 618, 52-64.	0.4	30

#	ARTICLE	IF	CITATIONS
55	Dominant Mutants of the <i>Saccharomyces cerevisiae</i> ASF1 Histone Chaperone Bypass the Need for CAF-1 in Transcriptional Silencing by Altering Histone and Sir Protein Recruitment. <i>Genetics</i> , 2006, 173, 599-610.	1.2	26
56	Chromatin reassembly signals the end of DNA repair. <i>Cell Cycle</i> , 2008, 7, 3792-3797.	1.3	26
57	Mutation of a single lysine residue severely impairs the DNA recognition and regulatory functions of the VZV gene 62 transactivator protein. <i>Nucleic Acids Research</i> , 1994, 22, 270-278.	6.5	25
58	Aurora-A mediated histone H3 phosphorylation of threonine 118 controls condensin I and cohesin occupancy in mitosis. <i>ELife</i> , 2016, 5, e11402.	2.8	23
59	The DNA binding domains of the varicella-zoster virus gene 62 and herpes simplex virus type 1 ICP4 transactivator proteins heterodimerize and bind to DNA. <i>Nucleic Acids Research</i> , 1994, 22, 711-721.	6.5	22
60	Global Replication-Independent Histone H4 Exchange in Budding Yeast. <i>Eukaryotic Cell</i> , 2006, 5, 1780-1787.	3.4	22
61	At the intersection of non-coding transcription, DNA repair, chromatin structure, and cellular senescence. <i>Frontiers in Genetics</i> , 2013, 4, 136.	1.1	22
62	The conformational flexibility of the C-terminus of histone H4 promotes histone octamer and nucleosome stability and yeast viability. <i>Epigenetics and Chromatin</i> , 2012, 5, 5.	1.8	20
63	The C Terminus of the Histone Chaperone Asf1 Cross-Links to Histone H3 in Yeast and Promotes Interaction with Histones H3 and H4. <i>Molecular and Cellular Biology</i> , 2013, 33, 605-621.	1.1	20
64	Heterochromatin Focuses on Senescence. <i>Molecular Cell</i> , 2005, 17, 168-170.	4.5	16
65	Is Gcn4-induced autophagy the ultimate downstream mechanism by which hormesis extends yeast replicative lifespan?. <i>Current Genetics</i> , 2019, 65, 717-720.	0.8	16
66	Selenium supplementation inhibits IGF-1 signaling and confers methionine restriction-like healthspan benefits to mice. <i>ELife</i> , 2021, 10, .	2.8	16
67	Mutations that prevent or mimic persistent post-translational modifications of the histone H3 globular domain cause lethality and growth defects in <i>Drosophila</i> . <i>Epigenetics and Chromatin</i> , 2016, 9, 9.	1.8	15
68	XLF and H2AX function in series to promote replication fork stability. <i>Journal of Cell Biology</i> , 2019, 218, 2113-2123.	2.3	15
69	The Commercial Antibodies Widely Used to Measure H3 K56 Acetylation Are Non-Specific in Human and <i>Drosophila</i> Cells. <i>PLoS ONE</i> , 2016, 11, e0155409.	1.1	14
70	LIN37-DREAM prevents DNA end resection and homologous recombination at DNA double-strand breaks in quiescent cells. <i>ELife</i> , 2021, 10, .	2.8	14
71	Delineation of the role of chromatin assembly and the Rtt101Mms1 E3 ubiquitin ligase in DNA damage checkpoint recovery in budding yeast. <i>PLoS ONE</i> , 2017, 12, e0180556.	1.1	14
72	Proteomic identification of histone post-translational modifications and proteins enriched at a DNA double-strand break. <i>Nucleic Acids Research</i> , 2017, 45, 10923-10940.	6.5	12

#	ARTICLE	IF	CITATIONS
73	Epigenetic inheritance of an inducibly nucleosome-depleted promoter and its associated transcriptional state in the apparent absence of transcriptional activators. <i>Epigenetics and Chromatin</i> , 2009, 2, 11.	1.8	11
74	Chaperoning histones at the DNA repair dance. <i>DNA Repair</i> , 2021, 108, 103240.	1.3	11
75	DNA-PK promotes DNA end resection at DNA double strand breaks in G0 cells. <i>ELife</i> , 2022, 11, .	2.8	11
76	The Chromatin Landscape Channels DNA Double-Strand Breaks to Distinct Repair Pathways. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	11
77	Sarco/endoplasmic reticulum Ca ²⁺ -ATPase (SERCA) activity is required for V(D)J recombination. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	8
78	The RNF8 and RNF168 Ubiquitin Ligases Regulate Pro- and Anti-Resection Activities at Broken DNA Ends During Non-Homologous End Joining. <i>DNA Repair</i> , 2021, 108, 103217.	1.3	8
79	The histone chaperone ASF1 regulates the activation of ATM and DNA-PKcs in response to DNA double-strand breaks. <i>Cell Cycle</i> , 2018, 17, 1413-1424.	1.3	6
80	Histone and Chromatin Dynamics Facilitating DNA repair. <i>DNA Repair</i> , 2021, 107, 103183.	1.3	6
81	A matter of access. <i>Transcription</i> , 2014, 5, e29355.	1.7	4
82	Histone Chaperones in the Assembly and Disassembly of Chromatin. , 2014, , 29-67.		3
83	Nucleosomes Find Their Place in Life. <i>Trends in Genetics</i> , 2016, 32, 689-690.	2.9	2
84	Anchoring Chromatin Loops to Cancer. <i>Developmental Cell</i> , 2017, 42, 209-211.	3.1	2
85	A Flow Cytometry-Based Method for Analyzing DNA End Resection in G0- and G1-Phase Mammalian Cells. <i>Bio-protocol</i> , 2022, 12, .	0.2	2
86	Chromatin Disassembly Mediated by the Histone Chaperone Asf1 Is Essential for Transcriptional Activation of the Yeast PHO5 and PHO8 Genes. <i>Molecular Cell</i> , 2004, 15, 161.	4.5	1
87	Excess free histone H3 localizes to centrosomes for proteasome-mediated degradation during mitosis in metazoans. <i>Cell Cycle</i> , 2016, 15, 2216-2225.	1.3	1
88	Stressed-out chromatin promotes longevity. <i>Nature</i> , 2016, 534, 625-626.	13.7	1
89	Thinking Outside the Cell: Replicating Replication In Vitro. <i>Molecular Cell</i> , 2017, 65, 5-7.	4.5	1
90	A new era for research into aging. <i>ELife</i> , 2021, 10, .	2.8	1

#	ARTICLE	IF	CITATIONS
91	A Proximity Ligation Method to Detect Proteins Bound to Single-Stranded DNA after DNA End Resection at DNA Double-Strand Breaks. <i>Methods and Protocols</i> , 2022, 5, 3.	0.9	1
92	Transcriptional Activators Are Dispensable for Transcription in the Absence of Spt6-Mediated Chromatin Reassembly of Promoter Regions. <i>Molecular Cell</i> , 2006, 22, 147-148.	4.5	0
93	DNA Replication-Dependent Chromatin Assembly System. , 2006, , 287-295.		0
94	Chromatin Assembly and Disassembly During Genomic Processes. <i>FASEB Journal</i> , 2008, 22, 258.2.	0.2	0
95	NOVEL METHIONINE-RELATED INTERVENTIONS THAT CONFER HEALTHSPAN BENEFITS TO YEAST AND RODENTS. <i>Innovation in Aging</i> , 2019, 3, S67-S68.	0.0	0