

Alexandra Lusser

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

3,582
citations

201674

27
h-index

144013

57
g-index

63
all docs

63
docs citations

63
times ranked

4829
citing authors

#	ARTICLE	IF	CITATIONS
1	Distinct 5-methylcytosine profiles in poly(A) RNA from mouse embryonic stem cells and brain. <i>Genome Biology</i> , 2017, 18, 1.	8.8	587
2	Chromatin remodeling by ATP-dependent molecular machines. <i>BioEssays</i> , 2003, 25, 1192-1200.	2.5	298
3	Distinct activities of CHD1 and ACF in ATP-dependent chromatin assembly. <i>Nature Structural and Molecular Biology</i> , 2005, 12, 160-166.	8.2	240
4	The dynamic RNA modification 5methylcytosine and its emerging role as an epitranscriptomic mark. <i>Wiley Interdisciplinary Reviews RNA</i> , 2019, 10, e1510.	6.4	236
5	Identification of Maize Histone Deacetylase HD2 as an Acidic Nucleolar Phosphoprotein. <i>Science</i> , 1997, 277, 88-91.	12.6	225
6	CHD1 Motor Protein Is Required for Deposition of Histone Variant H3.3 into Chromatin in Vivo. <i>Science</i> , 2007, 317, 1087-1090.	12.6	217
7	Histone acetylation: lessons from the plant kingdom. <i>Trends in Plant Science</i> , 2001, 6, 59-65.	8.8	155
8	Long non-coding RNAs as targets for cytosine methylation. <i>RNA Biology</i> , 2013, 10, 1002-1008.	3.1	138
9	Biochemical Methods for Analysis of Histone Deacetylases. <i>Methods</i> , 1998, 15, 323-331.	3.8	127
10	Strategies for the reconstitution of chromatin. <i>Nature Methods</i> , 2004, 1, 19-26.	19.0	87
11	Comparative analysis of HD2 type histone deacetylases in higher plants. <i>Planta</i> , 2001, 213, 280-285.	3.2	83
12	Osmium-Mediated Transformation of 4-Thiouridine to Cytidine as Key To Study RNA Dynamics by Sequencing. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13479-13483.	13.8	73
13	RPD3-Type Histone Deacetylases in Maize Embryos. <i>Biochemistry</i> , 2000, 39, 1683-1692.	2.5	67
14	Purification and Characterization of a High Molecular Weight Histone Deacetylase Complex (HD2) of Maize Embryos. <i>Biochemistry</i> , 1996, 35, 15907-15914.	2.5	66
15	A comparative study of histone deacetylases of plant, fungal and vertebrate cells. <i>BBA - Proteins and Proteomics</i> , 1996, 1296, 181-188.	2.1	66
16	A maize histone deacetylase and retinoblastoma-related protein physically interact and cooperate in repressing gene transcription. <i>Plant Molecular Biology</i> , 2003, 51, 401-413.	3.9	61
17	Acetylated, methylated, remodeled: chromatin states for gene regulation. <i>Current Opinion in Plant Biology</i> , 2002, 5, 437-443.	7.1	60
18	meRanTK: methylated RNA analysis ToolKit. <i>Bioinformatics</i> , 2016, 32, 782-785.	4.1	59

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19	Nucleosome Assembly Dynamics Involve Spontaneous Fluctuations in the Handedness of Tetrasomes. <i>Cell Reports</i> , 2015, 10, 216-225.	6.4	48
20	RNA cytosine methyltransferase Nsun3 regulates embryonic stem cell differentiation by promoting mitochondrial activity. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 1483-1497.	5.4	43
21	The chromodomains of CHD1 are critical for enzymatic activity but less important for chromatin localization. <i>Nucleic Acids Research</i> , 2011, 39, 3103-3115.	14.5	39
22	A Conserved N-terminal Motif in Rad54 Is Important for Chromatin Remodeling and Homologous Strand Pairing. <i>Journal of Biological Chemistry</i> , 2004, 279, 27824-27829.	3.4	38
23	Differential Neuronal Targeting of a New and Two Known Calcium Channel β_4 Subunit Splice Variants Correlates with Their Regulation of Gene Expression. <i>Journal of Neuroscience</i> , 2014, 34, 1446-1461.	3.6	35
24	Dynamics of Nucleosomal Structures Measured by High-Speed Atomic Force Microscopy. <i>Small</i> , 2015, 11, 976-984.	10.0	34
25	A novel role for the histone acetyltransferase Hat1 in the CENP-A/CID assembly pathway in <i>Drosophila melanogaster</i> . <i>Nucleic Acids Research</i> , 2016, 44, 2145-2159.	14.5	34
26	Recent insights from in vitro single-molecule studies into nucleosome structure and dynamics. <i>Biophysical Reviews</i> , 2016, 8, 33-49.	3.2	34
27	Spt6 is a maintenance factor for centromeric CENP-A. <i>Nature Communications</i> , 2020, 11, 2919.	12.8	30
28	NAP1-Assisted Nucleosome Assembly on DNA Measured in Real Time by Single-Molecule Magnetic Tweezers. <i>PLoS ONE</i> , 2012, 7, e46306.	2.5	29
29	Changes in the miRNA-mRNA Regulatory Network Precede Motor Symptoms in a Mouse Model of Multiple System Atrophy: Clinical Implications. <i>PLoS ONE</i> , 2016, 11, e0150705.	2.5	26
30	Thioguanosine Conversion Enables mRNA Lifetime Evaluation by RNA Sequencing Using Double Metabolic Labeling (TUC-Seq DUAL). <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6881-6886.	13.8	26
31	Non-destructive species identification of <i>Drosophila obscura</i> and <i>D. subobscura</i> (Diptera) using near-infrared spectroscopy. <i>Fly</i> , 2012, 6, 284-289.	1.7	23
32	Embryonic stem cell differentiation requires full length Chd1. <i>Scientific Reports</i> , 2015, 5, 8007.	3.3	23
33	Regulation and Processing of Maize Histone Deacetylase Hda1 by Limited Proteolysis. <i>Plant Cell</i> , 2003, 15, 1904-1917.	6.6	19
34	CenH3/CID Incorporation Is Not Dependent on the Chromatin Assembly Factor CHD1 in <i>Drosophila</i> . <i>PLoS ONE</i> , 2010, 5, e10120.	2.5	19
35	Thiouridine-to-Cytidine Conversion Sequencing (TUC-Seq) to Measure mRNA Transcription and Degradation Rates. <i>Methods in Molecular Biology</i> , 2020, 2062, 191-211.	0.9	19
36	ATP-Dependent Chromatin Remodeling Factors and Their Roles in Affecting Nucleosome Fiber Composition. <i>International Journal of Molecular Sciences</i> , 2011, 12, 6544-6565.	4.1	18

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37	Dysregulation of select ATP-dependent chromatin remodeling factors in high trait anxiety. Behavioural Brain Research, 2016, 311, 141-146.	2.2	14
38	Modification of the histone tetramer at the H3-H3 interface impacts tetrasome conformations and dynamics. Journal of Chemical Physics, 2018, 148, 123323.	3.0	14
39	ATP-dependent Chromatin Remodeling Enzymes and their Various Roles in Cell Cycle Control. Frontiers in Bioscience - Landmark, 2008, Volume, 5522.	3.0	13
40	Comparing the Assembly and Handedness Dynamics of (H3.3-H4) ₂ Tetrasomes to Canonical Tetrasomes. PLoS ONE, 2015, 10, e0141267.	2.5	13
41	Role for Chromatin Remodeling Factor Chd1 in Learning and Memory. Frontiers in Molecular Neuroscience, 2019, 12, 3.	2.9	13
42	CHD1 Contributes to Intestinal Resistance against Infection by P. aeruginosa in Drosophila melanogaster. PLoS ONE, 2012, 7, e43144.	2.5	12
43	Impact of the Chromatin Remodeling Factor CHD1 on Gut Microbiome Composition of Drosophila melanogaster. PLoS ONE, 2016, 11, e0153476.	2.5	11
44	Superior cellular activities of azido- over amino-functionalized ligands for engineered preQ ₁ riboswitches in E.coli. RNA Biology, 2018, 15, 1376-1383.	3.1	11
45	Phosphorylation of Drosophila CENP-A on serine 20 regulates protein turn-over and centromere-specific loading. Nucleic Acids Research, 2019, 47, 10754-10770.	14.5	10
46	CHD1 controls H3.3 incorporation in adult brain chromatin to maintain metabolic homeostasis and normal lifespan. Cell Reports, 2021, 37, 109769.	6.4	10
47	Impaired Contextual Fear Extinction Learning is Associated with Aberrant Regulation of CHD-Type Chromatin Remodeling Factors. Frontiers in Behavioral Neuroscience, 2015, 9, 313.	2.0	9
48	Detection of 5-Methylcytosine in Specific Poly(A) RNAs by Bisulfite Sequencing. Methods in Molecular Biology, 2017, 1562, 107-121.	0.9	9
49	Synthesis, Thermodynamic Properties, and Crystal Structure of RNA Oligonucleotides Containing 5-Hydroxymethylcytosine. Journal of Organic Chemistry, 2017, 82, 7939-7945.	3.2	8
50	DNA Sequence Is a Major Determinant of Tetrasome Dynamics. Biophysical Journal, 2019, 117, 2217-2227.	0.5	8
51	Bisulfite Sequencing of RNA for Transcriptome-Wide Detection of 5-Methylcytosine. Methods in Molecular Biology, 2019, 1870, 1-21.	0.9	8
52	Osmium-Mediated Transformation of 4-Thiouridine to Cytidine as Key To Study RNA Dynamics by Sequencing. Angewandte Chemie, 2017, 129, 13664-13668.	2.0	7
53	Getting a hold on cytosine methylation in mRNA. Nature Structural and Molecular Biology, 2019, 26, 339-340.	8.2	7
54	Towards a comprehensive understanding of RNA deamination: synthesis and properties of xanthosine-modified RNA. Nucleic Acids Research, 2022, 50, 6038-6051.	14.5	7

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55	MOLECULAR IDENTIFICATION OF PpHDAC1, THE FIRST HISTONE DEACETYLASE FROM THE SLIME MOLD PHYSARUM POLYCEPHALUM. Cell Biology International, 2002, 26, 783-789.	3.0	4
56	Synthesis of 4-thiouridines with prodrug functionalization for RNA metabolic labeling. RSC Chemical Biology, 2022, 3, 447-455.	4.1	4
57	Transcriptome-Wide Detection of 5-Methylcytosine by Bisulfite Sequencing. Methods in Molecular Biology, 2017, 1562, 123-142.	0.9	3
58	Thioguanosine Conversion Enables mRNAâ€œLifetime Evaluation by RNA Sequencing Using Double Metabolic Labeling (TUCâ€œseq DUAL). Angewandte Chemie, 2020, 132, 6948-6953.	2.0	3
59	Title is missing!. Cell Biology International, 2002, 26, 1-7.	3.0	0
60	Investigating the Handedness Dynamics of Tetrasomes. Biophysical Journal, 2016, 110, 562a.	0.5	0